

Duo 66 part 8

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HNHLC69	5383	754466	1 - 454	15 - 468
HNHLD08	5384	859857	1 - 318	15 - 332

HNHLD13	5385	805983	1 - 400	15 - 414	
HNHLD37	5386	859859	1 - 394	15 - 408	Z49769, and AC005516.
HNHLD81	5387	779345	1 - 288	15 - 302	
HNHLE72	5388	966149	1 - 232	15 - 246	
HNHLE75	5389	859856	1 - 244	15 - 258	
HNHLE33	5390	908449	1 - 243	15 - 257	AW403735, AA459771, AW138677, AW293884, and W44360.
HNHLE58	5391	859858	1 - 343	15 - 357	
HNHLP56	5392	883321	1 - 211	15 - 225	AC004844.
HNHLP69	5393	754440	1 - 168	15 - 182	
HNHLP77	5394	967239	1 - 506	15 - 520	Z94161.
HNHLQ36	5395	760460	1 - 519	15 - 533	
HNHLQ61	5396	795942	1 - 501	15 - 515	
HNHLQ80	5397	775621	1 - 239	15 - 253	
HNHLR73	5398	761855	1 - 404	15 - 418	
HNHLR91	5399	789786	1 - 262	15 - 276	M62264, AI745473, AA338228, AW370286, AW238594, F29013, A1459798, AA627921, AA317224, AA599354, AA977307, T49213, AW404844, AL120183, AA365407, AA229984, AI367551, AA937618, R62701, AA654781, AA782306, AA338378, T48241, F02597, AL037533, AL079894, Z70758, AC004491, AC002067, AC004884, AC004596, AC004837, AC004928, AC005399, AC004019, AL096791, AC006468, AL109963, AL031133, AC016025, U91326, AC007055, AC002404, AC003010, AC006120, AL022163, AC005046, AL049776, AC002468, AC006277, Z82206, AC004998, AP000354, AC004859, AL049778, AF045555, AC004552, AC007276, AL022726, AP000045, AP000113, AL008582, AL031666, AC002531, AC007435, AC004106, AL031311, AF196779, AC004805, AL024507, AL035461, AF038458, AC005839, AC006057, AL021154, AC005907, AC002352, AL021808, AC007731, AC002994, AL109827, AL022400, AC005500, AC004881, AC007283, AC002563, AC004887, AC012627, AL031584, AL022316, Z99943, AP000689, AC008079, AL035684, Z98051, AL022476, AC005520, AC005291, AC004000, AC000052, AC002527, AC007225, AC006449, AL033525, Z93020, AJ003147, AC005993, AC005879, AF015416, and AB003151.
HNHLS04	5400	927077	1 - 297	15 - 311	
HNHLS53	5401	827329	1 - 273	15 - 287	
HNHLT49	5402	784983	1 - 116	15 - 130	AL031258.
HNHLV84	5403	782319	1 - 265	15 - 279	
HNHLW93	5404	791782	1 - 489	15 - 503	AL096701.
HNHLX82	5405	779298	1 - 327	15 - 341	
HNHMC78	5406	772969	1 - 394	15 - 408	AA324059, AA326603, AA324559, AA328387, T17332, AA878492, AA626840, F03603, AI278847, AL134418, AA550989, AI904944, AI150934, AI268019, AA133013, AI733856,

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HNHMD85	5407	876673	1 - 355	15 - 369		W58290, W58291, AA633629, AA633622, and Z60515.
HNHMDN25	5408	784479	1 - 585	15 - 599		AL033521.
HNHMQ93	5409	791798	1 - 342	15 - 356		
HNHMR04	5410	927056	1 - 408	15 - 422		
HNHMR43	5411	937561	1 - 350	15 - 364		AL049822.
HNHMR73	5412	967614	1 - 636	15 - 650		
HNHMS77	5413	916609	1 - 392	15 - 406		AL049651.
HNHMS93	5414	791807	1 - 428	15 - 442		
HNHMTS3	5415	925689	1 - 378	15 - 392		
HNHMT54	5416	790765	1 - 271	15 - 285		-
HNHMT90	5417	937564	1 - 245	15 - 259		
HNHMTU91	5418	789785	1 - 150	15 - 164		
HNHMMW83	5419	780558	1 - 245	15 - 259		
HNHMX45	5420	953411	1 - 750	15 - 764		AC005105.
HNHMY43	5421	859841	1 - 212	15 - 226		AC005828.
HNHMY45	5422	958409	1 - 336	15 - 350		
HNHMY59	5423	883324	1 - 388	15 - 402		
HNHMY71	5424	761436	1 - 337	15 - 351		AA668485.
HNHMT07	5425	952790	1 - 467	15 - 481		T59562, T59516, H23893, H23894, AC000116, and AF147372.

HNHNM259	5426	761661	1 - 393	15 - 407	AL021026, and A91686.
HNHNM286	5427	784999	1 - 79	15 - 93	
HNHNM289	5428	786457	1 - 318	15 - 332	
HNHNA02	5429	918720	1 - 215	15 - 229	AL096774.
HNHNA69	5430	754452	1 - 148	15 - 162	AL035409.
HNHNB77	5431	771523	1 - 423	15 - 437	
HNHNC82	5432	779321	1 - 298	15 - 312	D80522, C14331, C14389, D81030, D80022, D80166, D58283, D80043, D51799, D59927, D59467, D59859, D80227, D80195, D51423, D59619, D80210, D80391, D80164, D59275, D80240, D80253, D59787, D59502, AA305409, D80193, D80269, C14429, D81026, D80212, D80366, D50995, D80196, D80188, D80248, D80038, D80219, C15076, D59610, AA305578, D57483, C14014, D51022, D50979, D59889, D80133, D80045, D80024, AA514188, AA514186, D80378, AW360811, D51060, AW177440, D80268, D80241, D80247, D80251, T03269, AW178893, D80439, D80302, AW352170, AW377671, AW375405, AW178906, AW179328, C75259, AW366296, D80132, AW360844, AW360817, AW375406, C05695, AW378534, AW179332, AW377672, D51103, AW179023, AW178905, AW177731, AW378532, D80157, AW177501, AW177511, D80134, AW179020, D51759, D59373, AW352171, AW377676, D58253, AW178907, AW178762, AW178908, AW179019, AW179024, AW177505, AW367967, AW369651, D51250, AW178983, AW360841, AW178775, AW178909, AW177456, AW179004, AW179329, T48593, AW178980, T11417, AW177733, AW378528, AW178754, AW179018, AW177722, AW352158, AW352117, C06015, D80168, AW176467, F13647, C14407, A1910186, D59653, AW179009, AW179012, AW178914, AW178911, AW378525, AW352163, AW360834, D80258, D45260, C14227, D59503, AW178774, C03092, D58101, AW352120, D80014, D81111, D58246, C14298, H67866, AW378543, D59627, AW367950, AW177728, C14077, D80064, D51213, H67854, D80228, AW178986, C14344, A1905856, AA809122, A1535850, AW178781, AW177723, AW378540, AW177734, A1525923, A1525917, A1525920, T03116, AW177508, D59317, Z21582, C14973, D60010, C14046, T03048, AW378533, D51221, AW177497, D51097, D59474, AA514184, A1535686, D59551, D60214, C14957, A1525227, A1557774, Z33452, A1525235, A1557751, C16955, A1525242, A1525912, T02974, AA285331, AW378542, A1525925, D45273, AW378539, A1525215, C05763, A1525222, H67858, A1525903, AW360855, A1525237, T02868, C13958, AA305720, C04682, D51053, A1525928, Z30160, AF058696, A62300, A84916, A62298, AB028859, A1132110, AR018138, AR008278, AR060385, A82595, D89785, AB002449, X67155, Y17188, A94995, D26022, Y12724, A25909, A67862, D34614, AR060138, I50126, I50132, I50128, I50133, AR008443, I82448, D88547, AR066488, AR016514, A45456, A26615, AR052274, X82626, Y09669, A43192, A43190, AR038669, AR066487, AR054175, A30438, AR066490, AR025207, I14842, I18367, D50010, Y17187, A63261, AR008277, AR008281, AR008408, AR062872, A70867, AR066482, AR016691, AR016690, U46128, AR060133, D13509, A64136, A68321, AB012117, X68127, I79511, A85396, D88507, A44171,

HNHND80	5433	775612	1 - 418	15 - 432	AF123263, A85477, I19525, A86792, AR032065, X93549, and AR008382.
HNHNE11	5434	966146	1 - 81	15 - 95	AC007312.
HNHNE59	5435	771529	1 - 360	15 - 374	
HNHNE83	5436	780628	1 - 333	15 - 347	AI392922.
HNHNG73	5437	761849	1 - 444	15 - 458	AP000161, and AP000020.
HNHNI10	5438	963571	1 - 212	15 - 226	
HNHNI14	5439	923079	1 - 252	15 - 266	
HNHNJ08	5440	859837	1 - 229	15 - 243	AC005071.
HNHNK71	5441	775635	1 - 180	15 - 194	
HNHNL70	5442	756633	1 - 396	15 - 410	
HNHNN56	5443	859834	1 - 580	15 - 594	AA761012.
HNHNO84	5444	782328	1 - 422	15 - 436	AL133243.
HNHNPP80	5445	775631	1 - 540	15 - 554	C14389, D59927, D51022, D80022, D80391, D59787, D80196, D80166, D59619, D80210, D80240, D80043, D81030, D59502, D80195, D50995, D80212, D58283, D80219, D59859, C15076, C14331, D80164, D80132, D59467, D51423, D51799, D59275, D80253, D80227, D80193, D80188, AA305578, D57483, D80269, AA305409, D59610, D80038, D80366, AA514188, D50979, D51060, D59889, D80024, D81026, D80378, D80045, AW177440, D80241, AA514186, C14429, AW178893, D80168, D80248, D80133, T03269, AW179328, C14014, AW360811, D80522, D80251, AW378532, AW177501, AW177511, AW178762, D80134, D51250, AW375405, D58253, AW178775, AW377671, D80268, AW369651, F13647, AW352158, AW366296, D80247, AW360817, AW375406, AW378534, AW179332, AW377672, AW179023, AW178905, C14227, D80949, AW377676, D80439, D80302, D59695, T11417, AW352171, AW178906, AW352170, AW177731, AW178907, AW179019, AW179024, C14298, D80064, D81111, AW179020, AW177456, AW179329, AI905856, AW178980, C14407, AW177733, AW378528, AW178908, AW179018, Z21582, AW352174, D80157, AW178914, AW378525, D51103, AW367967, AW378540, AW360834, AW177728, D51759, D58246, AW178774, AW178911, AW177723, AW378543, AW352163, D59503, C14077, C06015, AW178781, AA285331, T48593, D58101, D51097, D59627, D80258, AI557751, D45260, C03092, AW378533, D51213, D80014, AW367950, AI525923, H67866, H67854, C14973, AA809122, AW178986, T03116, D45273, D51221, AA514184, AI525917, D59317, C14344, D59474, AI535686, AI525920, AI557774, D59551, T02974, AI525227, C14046, AI525235, T03048, AI535961, AI525242, AI525912, AW378542, AI525925, AI525215, C16955, C05763, Z33452, AW360855, H67858, AI525237, AR018138, A84916, A62300, A62298, AJ132110, AF038696, AR008278, AB028859, X67155, Y17188, D26022, A25909, A67220, D89785, A78862, D34614, Y12724, D88547, X82626, A82595, AR025207, AB002449, A94995, AR060385, AR008443, I50126,

HNHNP86	5446	784788	1 - 397	15 - 411	<p>I50132, I50128, I50133, AR066488, AR016514, AB012117, AR060138, A45456, A26615, AR052274, X68127, AR066490, Y09669, A43192, A43190, AR038669, AR066487, I14842, A85396, AR066482, I18367, A30438, A44171, A85477, D88507, AR054175, I19525, A86792, D50010, Y17187, X93549, AR008277, AR008281, A63261, X64588, AR008408, AR062872, A70867, AR016691, AR016690, U46128, D13509, A64136, A68321, AR060133, I79511, AF135125, and AF123263.</p> <p>C14014, C14389, D59927, H67854, D59467, D80227, D80195, D51799, D80391, D80164, D59275, D59787, D59502, D59610, D80269, D80045, D58283, C14331, D80212, D59859, D80196, D80022, D80166, D80253, D80038, C15076, D51423, D59619, D80210, D80240, D80043, D81030, AA305578, D80378, D50979, D80193, D80188, D80219, D80241, D51022, D80366, D57483, D50995, AA305409, D59889, D80024, AW177440, AA514188, D81026, C14429, D58253, AW178893, AA809122, D51060, D80248, T03269, AW179328, C75259, D80522, D80251, AW378532, AA514186, D80133, AW360811, AW177501, AW177511, D80134, AW178762, D80268, C05695, D51250, AW375405, AW178775, AW369651, D80132, AW377671, AW352158, AW366296, AW352117, A1910186, AW360844, AW178905, F13647, AW360817, AW375406, AW176467, D59695, D52291, AW378534, AW179332, AW377672, AW179023, D80302, C14227, D80168, AW352171, AW178907, D80439, AW377676, AW178906, AW352170, AW177731, AW179019, AW179024, D59373, D80247, D81111, AW177505, D80157, C14298, AW178909, AW179020, C14407, AW360841, AW352174, D80064, AW177456, H67866, AW179329, A1905856, AW178980, AW177733, AW378528, AW178908, AW178754, AW179018, T11417, D51103, AW179004, AW179012, AW367967, AW178914, AW378525, D58246, AW378540, Z21582, AW177722, AW177728, AW178911, AW360834, AW179009, D51759, AW178774, AW378543, AW352163, D59503, D51097, C06015, AW367950, AW178983, AW352120, AA285331, D58101, AW178781, D59627, T48593, C14975, D80258, A1557751, AW177723, D59653, AW177508, A1535850, D45260, AW378533, D80014, H67858, D51213, AW177497, C03092, A1525923, D45273, T03116, C14973, AW178986, AA572801, D80228, D59317, D51221, D59474, D60214, AW177734, A1525917, AC005071, D88547, A84916, A1132110, A62300, A62298, AR018138, AF058696, AR008278, AB028859, X67155, Y17188, D26022, A25909, A67220, D89785, A78862, D34614, Y12724, I82448, X82626, A82595, AC005537, AR025207, A94995, AR060385, AB002449, AR016808, AR008443, I50126, I50132, I50128, I50133, AR066488, AR016514, AB012117, AR060138, A45456, A26615, AR052274, X68127, AR066490, AR066482, Y09669, A43192, A43190, AR038669, AR066487, I18367, A85396, I14842, A30438, A44171, A85477, D88507, AR054175, I19525, A86792, AC002550, AC007425, AC006501, D50010, Y17187, X93549, AC005332, AC004217, AC005730, AC006117, AC007225, A63261, Z83822, AL109759, AL049795, AC005899, AL035685, A91683, AC004778, AL050333, AC004671, AL031293, AC004881, AL121658, AC004851, AC007993, AC004616, AC005821, Z97054, AR008277, AR008281, AL035659, AL009051, AL109798, AC003010.</p>
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HNHN023	5447	968911	1 - 423	15 - 437	U48453, AR008408, Z77249, and AC008171.
HNHN027	5448	920254	1 - 410	15 - 424	R08335.
HNHN052	5449	859831	1 - 216	15 - 230	AL1804369.
HNHNW64	5450	859832	1 - 208	15 - 222	
HNHNX04	5451	927027	1 - 154	15 - 168	
HNHNX88	5452	959011	1 - 544	15 - 558	AA507824, A1284640, AW088846, A1312309, A1963720, AA877817, AL119691, AW303196, AA846876, AL138265, AW274349, AW327868, AW301350, AA581903, AL046409, AA521399, AA521323, A1144101, AW274346, AL038705, AL120959, AL038072, AW304584, AW265393, A1133164, A1345518, AW193265, AA679514, A1431303, AA490183, A1355206, A1133102, AA720702, AA806796, AA613203, AW268973, AA629992, AW407578, A1865905, AW265385, A1457397, AA531372, AA533036, A1281881, AA469451, AA665330, A1613280, AA491284, AL043719, AA523838, AL046457, AW276817, H71429, AA470969, AW073470, A1345654, R24887, A1110770, A1053790, AA515549, AA372478, A1305547, AW270382, AW238278, AW340844, A1623720, AA569471, AL045053, AA551503, AL121235, AA503473, A1632991, AL041690, AA587587, AW202340, AA856848, A1610159, AA491814, AL042853, AA525824, AA501809, AA514854, A1654525, AA523843, AW265170, AW276827, A1149478, AA682912, A1801600, A1792518, A1696962, A1633025, AA584145, AA548058, A1821271, AA780515, AA101689, AW072923, A1249997, A1903462, A1567832, AA569661, AA515829, A1061143, A1251436, A1583283, AA719292, AA623002, A1499588, AW103758, AL048925, AA552856, AA552843, A1246119, A1860020, A1350211, A1434695, AA812139, AA775207, AW273218, A1061334, AL048626, AL038474, AA721056, AW440545, AW269488, F36273, A1792505, A1754658, A1282511, AW338086, A1679132, AW276435, AW438643, AW302903, AL042420, A1536665, R97780, A1345157, AA346458, AW168453, A1669453, AW028392, AW271904, A1357288, A1580652, AA515909, AW404653, M77974, AA747276, AA665199, AA649642, AA126035, AA533333, A1368745, A1718446, AA533725, H63262, AA513141, A1754955, F36306, AA503258, A1568678, AA808877, AW029038, AA862173, A1053606, AA577906, A1589230, AA079462, AA604362, AA513181, AW021583, A1956124, AA583955, AC007165, AL021878, AL121754, AC003695, U57007, AL031577, D83989, Z81369, AL079295, AC005166, AL035681, AF109907, AC004447, I51997, AC005844, U57006, AC005589, AC005237, AL049776, AC004883, X55925, U62317, X55926, U18391, AF015148, AC008372, AC005666, AL121718, AC005971, AC008039, AC005071, L48472, AC006432, U57005, AC008417, U18392, AL031279, M37551, U67825, AC007055, AC005399, AC006079, AC003101, AC006064, AC002553, Z97352, AL022476, AC007387, AC005011, AC003038, AL050333, AC005940, AC005231, U15177, AC004957, AC005919, AC009300, AC004611, U18394, X53550, AL008582, AF176815, AJ003147, Z79997, AC004972, AL021707, X55922, AL008583, AL031280, AC005694, AL132641, AC002465, AC003690, AC004887, AF091512, AL078611, AF015156,

HNHOA03	5453	923052	1 - 443	15 - 457	AC004854, AC008072, AC006449, X87579, AC007363, Z49236, AL031680, AC005291, AC005690, AC006207, X55929, AC007011, AC007225, AC006146, AL049780, AC005736, AC005527, AC000052, AP000121, U91323, AC005619, AC004039, AF001548, AC005006, AL133163, AL050312, AC005363, AP000053, AP000168, AP000350, AL109847, AC005747, AL049569, AF027390, AC004916, AF015157, AL078476, AC005529, X55924, U18395, AL049745, AL031594, AC004019, AF002991, AF196779, AC004531, U57009, X54181, X54178, X54180, X55927, D26067, AC007462, AL022336, Z92844, AC003691, AC011421, AL022326, AC004808, AJ010770, AL122020, AP000504, AL008715, AL021393, AC006132, AC006312, AL035424, AL096701, AC005519, AL109628, AC004167, AC005988, X55931, U18393, AC004896, AC002067, AC008154, AC007193, AC002457, AL031282, Z81308, U47924, AL035458, AC005411, AF003528, AC009516, AF038458, AL049759, AC004596, AB023049, AP000512, AF015147, AL049779, AC002449, Z93783, AC002432, U18387, AC005274, AL035079, AL133371, U18399, X54176, AL136018, AC002472, U07000, AC005280, AC004148, U04355, U11309, AC006254, U57008, AL078634, U91326, AC004990, AC006101, AC000117, U67221, AC005757, AL024498, AL034420, AL121655, AC008067, AL049556, AC005330, AC002312, AC004812, AC002476, AC005284, AC004112, AL008721, AC003665, AC005081, AC003080, AL109938, AC004231, AP000558, AC006166, AL008639, AC002117, AL096791, AC006011, AL022318, AP001039, AC005066, X55932, AC004547, AC004544, AC002350, AC004673, AC005076, AC004814, AC007685, AL096829, AC006088, AC007681, AC004712, AL109827, AC002316, AC005089, AC005924, X87344, AC005154, AL021026, AL049548, AC005246, AC004150, U80017, and AC006238.
HNHOC03	5454	922892	1 - 318	15 - 332	AI953346.
HNHOD01	5455	915341	1 - 548	15 - 562	
HNHOD62	5456	852995	1 - 378	15 - 392	
HNHOE53	5457	767329	1 - 619	15 - 633	
HNHOF03	5458	922028	1 - 482	15 - 496	AA311412.
HNHOF07	5459	952291	1 - 438	15 - 452	AA310235.
HNHOF92	5460	790934	1 - 623	15 - 637	
HNHOG84	5461	782316	1 - 540	15 - 554	
HNHOG86	5462	785004	1 - 558	15 - 572	AA663481.
HNHOH10	5463	963562	1 - 546	15 - 560	
HNHOI03	5464	923072	1 - 698	15 - 712	AA682500.
HNHOM92	5465	792328	1 - 358	15 - 372	AL031277.
HNHOO16	5466	959616	1 - 1089	15 - 1103	H56490.
HNHO025	5467	859826	1 - 602	15 - 616	

HNHOO74	5468	915462	1 - 492	15 - 506	AP000700, and AP000701.
HNHOO87	5469	787562	1 - 407	15 - 421	
HNHOP10	5470	963539	1 - 527	15 - 541	
HNHOQ76	5471	767877	1 - 414	15 - 428	
HNHOS70	5472	756593	1 - 342	15 - 356	
HNHOS75	5473	766736	1 - 365	15 - 379	
HNHOT10	5474	963631	1 - 305	15 - 319	
HNHOT11	5475	923065	1 - 470	15 - 484	AF064861.
HNHOT95	5476	795331	1 - 86	15 - 100	U91319.
HNHOU20	5477	773797	1 - 364	15 - 378	
HNHOU68	5478	806090	1 - 449	15 - 463	
HNHOU94	5479	793514	1 - 352	15 - 366	<p> AI471543, AI127353, AI298079, AW169537, T40617, AW167267, AI273968, AI718446, AI287485, AA199692, AW162288, F13749, AA669647, AI567076, AI635274, AI038990, AC007126, AC003006, AC000353, AL023575, AC005180, AC005829, AL031848, AL022316, AL135744, AC002984, AL049569, AJ003147, AL035658, AC002404, AC008101, AC005295, AC005154, AC006271, AC006285, AC016026, AC006057, AC007999, AP000090, AC006077, AC006023, AL021707, AP000044, AP000112, AC005157, AL049795, AC006536, AL096712, AL035587, D87675, AL022315, AC004222, AP001065, AL050318, AL133297, AC006013, AC006125, AC007216, AC005144, AC006544, AC005015, AL049779, Z84480, AL035659, U95742, AC002470, AC006050, Z84484, AC005839, AL022238, AL049829, Z84469, AL035422, U95740, AC005412, AL049636, AC007227, AC008372, AC007182, AF134726, AC006538, AC003009, AL031291, AL049830, AC007919, AC005785, AC006211, AC005815, U91326, AC005060, AL021546, AC006543, AC007845, AC004765, U47924, AC004019, AC005678, AL022476, AP000557, AL033376, Z99716, AC002565, AC007537, AL049776, AC006480, AC008064, AL022163, AF196969, AL023494, U66060, AC002544, AC004638, AC005754, AC007899, AL096773, AC005102, AC006195, AC005740, AL023553, Z83840, AC002094, AL121603, AL031296, Z97196, AL122020, AP000512, AC005821, AC005969, AC000003, AC007878, AL035703, AC004945, AC007324, AL033392, AC006312, AL024498, AC004223, AC010849, AC002429, AC004821, AC002369, AC004816, AC008079, AF129756, U80017, AC005019, AC005846, AC005071, AC009516, AC002310, D84394, AC006251, AP000513, AL133448, AL049766, AC005069, Z93020, AC004808, AC005668, AP001053, AC016025, AC005081, AL031289, AC005535, AC005332, AC004099, AC005225, AL078581, AC005523, AC005231, AC005899, U91319, AL080242, AL031281, AC002425, AC006127, AL096701, and AL022721. </p>
HNHOX09	5480	854882	1 - 691	15 - 705	AA179093, W05670, H75806, AL137564, and AB028998.
HNHOX10	5481	963545	1 - 509	15 - 523	

HNHOX31	5482	859820	1 - 509	15 - 523	
HNHOX89	5483	786411	1 - 504	15 - 518	
HNHOZ04	5484	923013	1 - 374	15 - 388	
HNHOZ90	5485	787488	1 - 644	15 - 658	Z56336.
HNHPC08	5486	952246	1 - 360	15 - 374	
HNHPC36	5487	859819	1 - 452	15 - 466	
HNHPC72	5488	772970	1 - 348	15 - 362	AA421740.
HNHPD04	5489	974103	1 - 489	15 - 503	
HNHPD07	5490	952244	1 - 520	15 - 534	
HNHPD13	5491	859815	1 - 480	15 - 494	AC005828.
HNHPE86	5492	784919	1 - 701	15 - 715	AA928156.
HNHPG61	5493	784432	1 - 516	15 - 530	AL041914, AA262042, R14254, AL041237, F13514, and AL133057.
HNHPG66	5494	859812	1 - 882	15 - 896	N70274, AI804923, AA934526, AI992261, AW140138, W88993, AI077351, AI793312, C06015, D80164, D80195, D51022, D59502, D80038, D81026, D80247, D59467, D59275, C14389, D80227, D58283, D80133, C15076, D80439, D80022, D80391, D59787, D80269, D80166, D80193, D59619, D80210, D80240, D80045, D50979, D59859, C14331, AA305409, AA305578, D51423, D51799, D80253, D80043, C14014, D81030, D59889, D80196, D80212, D80219, D80268, D80366, D80188, D80522, D50995, D59927, D80157, T03116, D57483, AI525923, AA809122, D45260, H67866, C03092, AW177440, AW178893, D58246, D80251, D59551, D59503, D80258, AI525917, T11417, AW375405, F13647, D59317, AW360811, AI525235, H67854, AI535686, AI525215, AI525920, AW360817, AW360834, C14227, D59627, C14973, AI525227, D80064, D80014, AW178906, T03269, AW179328, T48593, AW375406, AW378534, AI525925, AW179332, AW377672, AW179023, AW178905, AW177731, AW378528, AW178762, AW179019, AI525242, AW378533, AW378532, AA514184, AI525912, AW377676, D59695, AW178907, AW178908, AI525237, D45273, Z21582, AW178914, AW178774, AA285331, AI525751, AW367950, D80168, C16955, AW378542, Z33452, T02974, D52291, AW378525, AW352163, C14298, AI525239, D51213, T03048, AI525228, D31458, AI525216, AI525238, AI525969, AI525903, AF058696, A82595, AB028859, AJ132110, AR060385, AR008278, A84916, AB002449, A62300, A62298, AR018138, I14842, I50126, I50132, I50128, I50133, AR054175, AR016691, AR016690, U46128, AR016514, X67155, Y17187, AR060138, A45456, Y17188, A94995, D26022, AR008277, AR008281, A26615, AR052274, A43192, Y12724, A63261, A43190, AR038669, A25909, AR066488, Y09669, AR066487, A70867, A67220, D89785, A78862, D34614, A30438, AR062872, AR008443, I79511, A64136, A68321, D88547, D50010, I82448, X68127, AR016808, X82626, AR025207, and AR060133.
HNHPG85	5495	783821	1 - 395	15 - 409	D80022, D80195, C06015, D80302, AA809122, AI525237, I167866, D58246, D80247, D81026,

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HNHPH29	5496	934456	1 - 486	15 - 500	
HOIAE91	5497	935322	1 - 548	15 - 562	AW450671, AA936632, AA373754, AW301553, AA887804, and AA523682.
HPSAA31	5498	739041	1 - 563	15 - 577	AA371521, and AA371520.
HPSAA50	5499	723558	1 - 299	15 - 313	AA371530, AA371532, AA283143, and AA985190.
HPSAA63	5500	536776	1 - 316	15 - 330	AA371537, AA371640, and AA371643.
HPSAB25	5501	677474	1 - 321	15 - 335	AA371618, AA371540, AA652942, AC005365, and AL080317.
HSATA03	5502	925082	1 - 309	15 - 323	
HSATA86	5503	683251	1 - 505	15 - 519	
HSATE44	5504	666207	1 - 391	15 - 405	H64038, and W04139.
HSATE89	5505	531280	1 - 392	15 - 406	AA916748.
HSATF05	5506	907593	1 - 328	15 - 342	A1568725, and AW084480.
HSATF79	5507	781718	1 - 233	15 - 247	
HSATJ56	5508	716434	1 - 654	15 - 668	R81464.
HSATJ84	5509	781405	1 - 380	15 - 394	N99795.
HSATM25	5510	688006	1 - 439	15 - 453	AC003689.
HSATM79	5511	677717	1 - 445	15 - 459	AC000119.
HSATQ28	5512	866951	1 - 365	15 - 379	H58978.
HSATQ76	5513	765376	1 - 569	15 - 583	AW022615, N51894, and D62269.
HSATR17	5514	888871	1 - 437	15 - 451	A1111179, and AF090944.
HSATR27	5515	713143	1 - 168	15 - 182	D63189.
HSATR32	5516	699586	1 - 609	15 - 623	AW401775.

HSATR76	5517	659994	1 - 488	15 - 502	H85088.
HSATS23	5518	524369	1 - 288	15 - 302	AA502450, AI590404, AI278972, AI251024, AW028376, AW273201, AW273146, AA613761, AW238341, AW104163, F31670, AA338474, AA936099, AA364082, M77908, AA467740, AW023515, AW407679, AW409626, H92442, AI318548, AI567676, AA342029, AI344906, AI885134, AI754257, AA937618, AI445699, AA468135, AA533011, AA812133, AI053673, AW080118, AI434103, AW277125, AA219166, AA382171, AA743995, AA745336, AI572680, T34066, AA364199, AW149241, AA847340, AA707430, AI281622, AA570243, AI884404, AA707438, AW304592, AA707446, AI358557, AI032411, AI734119, AA489897, AA640305, AI370470, F25183, AA503459, AA668421, T03576, AI732720, AA300049, AA975894, AI538404, AA676462, AA730795, AA668148, AI03086, AA658890, AA468921, AI732327, AA487053, AI701898, AA303002, R95751, AW157424, AA172103, AI702049, AA846014, AW069110, AA328535, H51612, AA055647, AW265468, AI590442, AA309287, R33053, AI969090, AL138262, AA847341, AW148821, AI619727, AA663579, AI207744, AW192930, AA610644, AA365049, R12600, AA147521, AA362670, AL121039, AW021674, H47554, X84712, AW410844, AA829565, AA421536, AA991640, AW406139, AA657392, AW238242, AW409621, AI064968, AA829086, AA350081, AI744963, AA768079, AI521019, AL037723, AL037722, AI719372, AA984891, AI268818, Y18000, AC004882, AC005529, AP000493, U02057, AC004531, AP000689, AL049872, AC004999, AL034417, U91326, AC002544, AC005300, AC005736, AB003151, AL050318, AC005535, Z69366, AC005015, AC006449, AC004263, AC005409, AL132716, AF196972, AC005914, AC005695, Z83844, AL035086, AL049694, U07000, AC005519, AC006241, AC004887, AC002036, AL050307, AC004859, AL031657, AC007536, AC007537, AL008731, AL022316, AC004386, AC006077, AB025285, AL109613, AL020995, AF154840, L81576, AC004223, AC005325, AC002558, AL021391, AC007993, Z98256, AD000092, AL008710, AL109628, AL133448, AC004125, AB033024, AP000884, AC005412, AC006511, AC006057, AC005159, AC007227, AC007040, AC008372, AC004797, AL080233, AC005755, AC005839, AC004668, AC004770, AC004972, AC007036, AC002045, AC005565, AL049761, U89337, AC004674, AC005370, Z99716, AC007690, AL031680, AC004997, AL117258, AC007421, AC007387, AF111198, Z82208, AL121603, U52112, AC004968, AC004526, AC006360, AL050347, X02571, M12901, A91683, AC007564, AC003042, AC012085, AL132712, AC005531, AC004655, AC005355, AC003684, AL022165, AF001550, AC005585, AL049643, AC005067, AC004033, Z82198, AC007193, AL033524, AC005921, AB023051, Z97630, AC004890, AL023880, AC004228, AC002418, AC005284, AC002991, AC004896, AC005702, AL031295, AL021578, AL049869, AP000352, AC004233, AL035413, AF091512, AC006487, AC005500, AP000211, AP000133, AP000039, AP000107, AL121655, AP000547, AC002107, Z95116, AC000134, Z69374, AC003012, AC002997, AE000658, AL031587, AF111168, Z98051, AL035652, AC005211, AC004950, AC004975, AL049776, AP000502, AC006254, AL031311, AC006137, AC002492, Z93017, AC004560, AC006088,

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HSATS29	5519	689823	1 - 331	15 - 345	AC005799.
HSATS56	5520	732640	1 - 356	15 - 370	
HSATT96	5521	796565	1 - 409	15 - 423	
HSATV34	5522	732184	1 - 447	15 - 461	
HSATW22	5523	531171	1 - 316	15 - 330	AW166467, AI150813, AI051055, AW291572, AA186962, AL041305, R99223, AI028763, AI291690, AI692187, AL040743, AA489560, R99224, AB014596, AF176022, AP000252, AP000134, AP000212, and AP000031.
HSATX46	5524	866959	1 - 239	15 - 253	
HSAUA88	5525	757624	1 - 361	15 - 375	Z82206.
HSAUB19	5526	954055	1 - 227	15 - 241	
HSAUB90	5527	733714	1 - 117	15 - 131	AA480803, T24642, and AC004706.
HSAUD05	5528	932502	1 - 249	15 - 263	
HSAUD45	5529	531170	1 - 511	15 - 525	
HSAUE25	5530	571385	1 - 163	15 - 177	
HSAUE40	5531	866933	1 - 392	15 - 406	
HSAUF18	5532	527038	1 - 384	15 - 398	AA479823.
HSAUG15	5533	953628	1 - 907	15 - 921	AI700608, AI475748, AA261852, H43976, AA455641, AI435512, AA878284, AA721182, AA526613, AW073756, D56003, AW239128, AA367190, AW175589, AA248657, AA336678, AW402312, AA113904, and AL049610.
HSAUH65	5534	953873	1 - 357	15 - 371	
HSAUH69	5535	870437	1 - 971	15 - 985	N33174, AI333084, AA810196, AA810519, AA417898, N25355, N44958, N31476, AA491035, and AA743500.
HSAUI05	5536	856886	1 - 412	15 - 426	AI000925, AI261943, AA614341, AW376738, AI000930, AW136154, AA209435, AC005694, AC005527, AC005529, and AC002991.
HSAUJ26	5537	950714	1 - 426	15 - 440	
HSAUL67	5538	866919	1 - 368	15 - 382	

HSAUQ94	5539	526936	1 - 461	15 - 475	
HSAUT77	5540	557848	1 - 151	15 - 165	AC004975.
HSAUW10	5541	967600	1 - 428	15 - 442	
HSAUW71	5542	537544	1 - 262	15 - 276	
HSAUZ38	5543	744899	1 - 666	15 - 680	F13740, and A1913247.
HSAUZ57	5544	685253	1 - 693	15 - 707	R98418.
HSAVA44	5545	866900	1 - 198	15 - 212	AC003102, Z97635, AC008126, and AC005856.
HSAVA61	5546	742073	1 - 174	15 - 188	AA907167, AA910829, AA988986, AA903887, AA825361, AA045623, AI222950, AI215879, AI870657, AA902506, and AA916305.
HSAVB05	5547	932496	1 - 297	15 - 311	
HSAVB19	5548	866899	1 - 308	15 - 322	H80879, R69751, H80878, R70467, AC004985, and AL022158.
HSAVC41	5549	584978	1 - 255	15 - 269	
HSAVC76	5550	967286	1 - 311	15 - 325	
HSAVF35	5551	932462	1 - 264	15 - 278	
HSAVG81	5552	959949	1 - 574	15 - 588	AI637636, AW082668, T94015, AI332352, AA847421, AI565225, T93337, and AF115510.
HSAVH17	5553	417452	1 - 188	15 - 202	AC005189, and AC005532.
HSAVI95	5554	574243	1 - 564	15 - 578	AA481619, W88558, AA455714, AA455659, and AA481553.
HSAVI44	5555	715837	1 - 460	15 - 474	AW021987, and AC004056.
HSAVI46	5556	717837	1 - 448	15 - 462	
HSAVI59	5557	579060	1 - 364	15 - 378	
HSAVI77	5558	739521	1 - 335	15 - 349	
1-SAVI.43	5559	714418	1 - 584	15 - 598	T95438, AA004549, T95461, T95342, R01904, R01953, T95357, and AA704164.
HSAVN07	5560	935797	1 - 221	15 - 235	AA731064, AW450807, AA513079, AA602113, AA503400, F36001, AA658915, AA844750, F24885, AI929819, T89864, F34389, A1748847, AI832751, F21165, AI929660, AA632963, F36287, F28779, F37620, AA627162, C00120, AP000046, AP000114, AP000303, AF193597, AF193607, AF161428, and AF161430.
					AC006468.
HSAVN17	5561	920412	1 - 416	15 - 430	
HSAVO37	5562	574709	1 - 339	15 - 353	
HSAVO53	5563	531111	1 - 235	15 - 249	
HSAVO82	5564	531398	1 - 118	15 - 132	
HSAVP10	5565	964950	1 - 402	15 - 416	
HSAVQ46	5566	574784	1 - 314	15 - 328	AW104664.
HSAVQ56	5567	522431	1 - 430	15 - 444	AI299938, and AL109798.
HSAVR06	5568	936049	1 - 87	15 - 101	
HSAVR74	5569	827090	1 - 213	15 - 227	
HSAVS17	5570	574269	1 - 112	15 - 126	

HSAVS46	5571	526756	1 - 419	15 - 433	<p>F31867, AA507499, AA714110, AI587583, AI587565, AI499954, AI521525, AW020150, AI537368, AW002831, AA356376, AI356440, H63660, AI800426, AI926102, AA808725, AI491765, AL041681, AL041682, AI246192, AI805261, AA252523, AW275432, AI537955, AI865980, AA127329, AA857296, AL121287, H85808, AA568314, AI697239, AL039309, AI697242, AI539024, AW166611, AI246996, C146992, AI653999, T03928, T49933, AA492105, AI471455, AW089016, AA610433, AA599423, F35684, T94072, AI134332, AA366601, AA484892, AW419389, AI049955, AI076236, AA558404, AA514020, AA468923, AA598605, AI038358, AI567391, AW069227, AW161016, AA128947, T69571, AA720582, AI880889, AA773289, C75034, AA480486, AA947265, AA714453, AI869797, AA487720, AI687343, AA469230, AA524800, AW089950, AA251356, AI249688, AA229988, AA371410, T06210, H90878, AI242614, AA493110, AI366902, AA130696, AA503298, AI280266, T54464, AA584655, F30650, AA468196, AA405726, AA632556, AW023111, AI223968, AA654482, AI537800, AI283938, AI521042, AA862312, AA310557, AI709174, AA297661, T52772, AW302017, AA487209, AA018105, AI917134, AA469327, AA701122, AA215585, R93854, AI188049, Z23147, AA862029, F00533, AI929796, AA666295, AA362349, AW007759, T50061, T47138, AW075296, AW274078, AI583532, AI282629, AA613627, X75335, AC005229, AL096678, U02047, AC005399, AL049766, AL021578, AC005180, AL022726, AF015164, AJ003147, M84472, AP001064, AC006327, AP000211, AC006441, AL035405, AP000563, AL049869, AC005379, AC005632, AC004922, Z95152, AC002544, X87344, AC004132, AC005328, AC004859, AC005253, U47924, AC005740, AP000133, AC005932, AF030453, U96629, U34879, AL096702, AP000350, AC005291, AC005520, AP001065, AC006285, AC005480, AL022237, AC004876, Z83822, Z85987, AL109952, AC004531, AC002985, AC004217, AC002551, Z93023, AC016025, AF031078, AC002425, AL109798, AC004975, AC004033, Z97054, AC005015, AC006011, AC003684, AC005071, AF030876, AL080243, Z83844, U18671, AC005972, AC005088, AC005516, AC004084, AC004851, AC005778, AL096791, AC004212, AL022316, AC005378, AC002314, AL021155, Z98752, AC005231, AC005519, U89337, AF129756, AC004799, AC005913, AL022329, AP000355, AC005345, AC007199, AP000509, AF217403, AP000689, AD000812, AC006111, Z84466, AC005011, AL035460, AL008718, AP000558, AC0049795, AC002996, AC008040, AC005776, I34294, AC005696, AL031121, AL035422, AD000813, AC005736, AL034417, AC004224, AL117659, AC005822, AC005003, Z83826, AC005391, AC005412, Z75407, AL109758, AF196779, AC005305, AC005069, AC002390, AF069291, AL021808, AC007546, AC005512, AC005911, AP000347, AC005868, AF207550, AC006146, AC007792, AC003010, AC002455, AL031584, AC003043, AC007277, AL031681, Z93241, AC007686, AC005209, AC004963, AC002531, AC004985, AC002404, AP000553, AL109627, AC003689, AC005535, Z68285, AL035420, AL031295, S42653, AC009516, AL049874, AC004152, AL049759, Z98200, AC004750, D84394, AC004408, Z68288, AL034420, AP000692, AF111168, AC004811, AC005829, AL021394,</p>
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AL049780, U95739, AL009181, U95742, AC004771, AC006530, Z81364, AC000082, AC007842, AC005206, AL024498, AP000337, AC021092, AC002375, AC005568, U58668, Z85986, AL031291, AC005914, AB003151, AC007681, AC005355, AL031846, AL031311, AB012286, AC002429, AL031650, AC004999, AL031775, AC004148, AC002059, AC005952, AC004381, AL139054, D86995, U95740, AL034402, AC005484, Z84476, AL031282, AC004491, AC003002, AL008629, AL050332, AP000505, Z95113, AC006597, AC002395, AL023553, AF051976, AL022327, AL022476, U43572, AP000512, AC007536, AL050331, AC004913, Z82206, AC005620, AL031447, Y10196, AC006211, AC006071, AC005531, AL049760, and AC005523.					
HSAVS76	5572	866888	1 - 81	15 - 95	
HSAVT18	5573	920565	1 - 314	15 - 328	AW058430, W21392, AW079237, AW376931, H96580, M86143, AL109839, Z93016, AC009509, AC005519, AC004000, AC005532, X74962, AL031657, and AC004003.
HSAVT24	5574	577549	1 - 645	15 - 659	AL030498, and AC006430.
HSAVT95	5575	925582	1 - 220	15 - 234	AA828835.
HSAVU11	5576	967490	1 - 130	15 - 144	
HSAVU14	5577	920695	1 - 453	15 - 467	AW276782.
HSAVW44	5578	574267	1 - 443	15 - 457	
HSAVX96	5579	744614	1 - 636	15 - 650	
HSAVY34	5580	574287	1 - 350	15 - 364	
HSAVY58	5581	526958	1 - 295	15 - 309	
HSAVZ35	5582	842039	1 - 365	15 - 379	AA297496, AA302682, AA805018, A1904944, A1369076, AA302660, R08161, A1915081, A1054090, A1246061, AA713705, AA326452, AW021007, AA226770, AW069412, H02532, AA862029, AW265688, F17537, H71678, AA586433, A1249853, AA225795, AA744095, AL048275, A1536834, AA493789, AA744423, H53217, AW272740, T83057, AA599199, A1754170, AA156147, A1635609, A1064786, AA076418, AA864426, A1284543, AA373861, A1254770, AA626595, AW169038, A1251034, AA381787, AA904211, F00564, N94342, AA095721, A1250552, AA056248, AA566084, N29936, A1270647, W24312, R35259, AA513219, AA282219, AA148197, AA834807, AA302978, AW192648, AL039801, AA503018, AA831801, A1866971, A1251203, A1475724, A1251284, AA668166, AA714073, AA683069, AA654778, AA857812, A1312090, AA525807, A1312784, AA702717, N73060, AL121782, AP000692, AC000025, AC005856, AL096763, Z85987, AC006511, AC005702, X87344, AL049835, AC006312, AL022721, AC006960, AC005527, Z98941, AL049780, AL139054, AL034549, AC006010, AP000555, I34294, AC006241, AC007073, AL035420, AC005529, AL035072, AL109628, U91318, AC004448, AC007731, AC005500, AC004019, AF064861, AF111168, AC002394, AC005602, M87889, AL031680, AC012627, AC004985, AC004000, AL109839, AC007199, AC004832, U95743, AC004834, AC005823, AC004531, AC005868, AC007201, AL132642, AC004655, AC002470, AL132777, AC005829, U02051, AC006254, AC003109, AC003025, AC006057, Z95704, AL022320, AF139813, AC007637, AC006115, AC005257,

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HSAVZ65	5583	574192	1 - 314	15 - 328	
HSAWA25	5584	577281	1 - 307	15 - 321	AA505186.
HSAWC89	5585	785988	1 - 926	15 - 940	AA134230, AI797676, AF168132, and AL080140.
HSAWG75	5586	574223	1 - 148	15 - 162	
HSAWH47	5587	720535	1 - 551	15 - 565	T85672.
HSAWI18	5588	666842	1 - 325	15 - 339	
HSAWI50	5589	742713	1 - 372	15 - 386	AC003681, AP000952, and AC008124.
HSAWJ36	5590	866874	1 - 911	15 - 925	AI935717, AI038538, R73057, AW450490, AW235225, AI650526, AI633900, AI493578, AA781347, AI252617, AI758094, AA977718, R73058, and AI344281.
HSAWJ93	5591	751429	1 - 171	15 - 185	
HSAWL80	5592	792893	1 - 310	15 - 324	AP000150, AP000009, and D83253.
HSAWN67	5593	883825	1 - 652	15 - 666	H67030, H68112, AI358229, AW406755, AI365988, F29989, AA501614, AA657835, AA525153, AW023111, AI278972, AA720732, AA176605, AA659535, AA879053, AW168433, AA634786, AA551798, AA573020, AA715814, AI241976, AA827960, AA579184, AA136829, AI358089, AA574286, AW438643, AI689019, AI275183, AA878140, AA72016, T29180, U18399, U67822, U67823, AC007298, AC007312, X55922, AP000692, S48196, AL133245, U85195, AC005358, AE000658, D87008, L81893, D88268, AC004921, AL133289, AC005620, AC004167, AC001066,

AC006120, Z54334, AL121603, AC005037, AC005678, AL020997, AC006077, AL109627, AC004805, AC003041, AC005095, AC004019, AL035448, M87923, AC005681, AC002369, AC005777, AC004030, AC005089, AC005212, AL121825, AC005288, AC004596, AF000031, AL021394, AL008629, AL022320, AC007666, AL035405, S47659, AC006111, AL020996, AP000255, AC005696, AC002316, AC004150, AL034548, AC007191, L47228, AC000353, AC005527, AL080242, AC002039, AC004472, AC005944, AC007707, AC004491, AB023049, Z93930, U67274, AC004814, AC005803, AC005004, AL133163, AC006480, AC005971, U78027, AC004263, AC002400, AP000354, AC004996, AP000503, AC002350, AL031005, U16300, AC005911, AC005740, AC006461, AP000113, AC004678, AC007387, AP000135, U80017, U95740, AC005013, AF165926, AC004020, AL136295, AL109628, AL008582, Z68756, AC006530, AP000553, AL034376, AC007688, AC004234, AL049780, Z94162, AL035653, AF045533, AL021154, AC007510, AL050318, X53550, AC005839, AP000359, AC005703, AF001549, AF045555, AL078477, AC005529, AC007308, AC006121, AC005104, AL022067, AC007731, AF134726, AC007216, AC004933, AC004802, AC002544, AC005500, AF015166, AC007292, AF196969, AP000689, AC004821, AF199339, AP000023, AL049757, AJ003147, AC005215, AL022329, AL096803, AL049776, AL021397, Z98884, AC004222, AL035072, AC006511, AF190465, AC005993, AC004531, AC005412, U75285, D84394, Z83822, AL034429, AL109758, AC005081, Z98950, AP000688, AC002430, AC007225, AC004985, AC005102, AC005701, and Z85986.				15 - 255	
				15 - 450	
AA835667, and AI936498.				15 - 152	
				15 - 508	
				15 - 809	
				15 - 416	
				15 - 330	
F28958, F37192, and F00608.				15 - 415	
				15 - 255	
				15 - 383	
AL109628.				15 - 140	
R63784.				15 - 397	
AC004675, and AF088219.				15 - 353	
AA281106, and AC005488.				15 - 294	
T07213, AA483211, AI689564, AL046171, H81283, F35659, AA604326, AI446474, AA443065, AW086465, AA927637, AA593359, N55273, AA605274, AI313166, AW168433, AA610420, H57381, R53899, AA863453, AA640739, R77158, AW238016, AW238278, T69435, R79157,				15 - 389	

HSAXG30	5609	574280	1 - 456	15 - 470	<p>AI200051, AI832577, W35195, AA166835, W23546, AA630030, T71030, AI672135, AA931647, F23325, AI141675, AI049616, AI561335, AI860020, AA703891, N66684, H81505, AW270284, AA770072, AA834712, AA020729, AA357552, AA084624, AI880168, AA242863, AI352078, AI758582, AA558227, AW169687, AA557854, AI349874, T94866, AA937686, F26152, T55236, AW406659, AA678443, AA346454, AA663306, T94116, AI345522, AA658235, AI683294, AA587662, AI801591, AA342681, AI344844, AA640053, T71998, AI298977, AI225141, AI251111, H77751, AA515224, AA25406, AA581903, Z85986, AC007207, AC002551, AP000688, AL035668, AL031393, AC004854, U91325, AB000880, AC004967, AC002369, AC005081, AC007298, AC005799, AL022476, AF045555, AC006031, AP000507, AC005839, U20210, AL031284, AC007114, AL021407, AB000882, AC004896, Z83844, AC006480, L78833, AL021453, AC007110, AC004895, AC007358, AC004655, AC004841, AL023284, AF109907, AC005911, AC005089, AC004941, AL031428, AP000008, AC004894, AL031432, AC005243, AP000704, AC005274, AC005619, AL008634, AP000014, Z97198, AC005377, AC005881, AP000556, AL035079, AL031577, AL031643, AC009300, AL110122, AL050348, AC005874, AF134471, AC005913, AC006076, AC006333, AL121825, Z84718, AF002223, U95626, AF044083, AC005280, AC005922, AL022069, AP000245, U89335, AC004531, AL035082, AL031683, AL021397, AJ006995, AF053356, AF124731, AC004776, AC004972, AC018769, AC000120, AB020859, AC008033, AC006241, AC005072, AC006989, AL022396, AL133382, Z84497, AP000657, AL031120, AC009241, AC016831, AC006287, AC006285, AP000966, AC006958, AC005562, AC005822, AC006075, AC006039, AC004931, AB026898, AC002087, AC005703, AL022328, AC004467, AC004449, Z92540, AC011592, and AC008072.</p> <p>AI469913, AC002375, AC007327, AC002365, AP000067, AC004551, AC004223, AC002364, AL008582, AL049844, AL049650, AC002300, AL022165, AL024498, AL021391, and AC005484.</p>
HSAXI07	5610	953871	1 - 236	15 - 250	T53845, and C04682.
HSAXI47	5611	574159	1 - 444	15 - 458	<p>AA846046, AA349016, AA230221, AA299100, AL119063, AA015948, N55076, AW194061, AI281622, AL046620, AW439724, H57802, W27084, AI446623, AA218874, AI251024, AA579281, AW069273, AA831919, AW083408, AA947352, AW029626, AI888050, AA639056, AI125143, AA714190, AA550959, AA018258, AI309059, AA351868, AA487209, AA338237, AA320380, T68762, AA338238, T73016, AA368329, AA701131, AI620014, AA363195, AA553409, M86139, AC005069, AC005531, AC007057, AC004997, AC004953, AC005585, Z99716, AP000116, AF111169, AC005911, AC007263, AL031291, AC005925, AL035462, AC007308, AC005015, AC005200, AL109952, AL022316, AC006285, AC004531, AC007243, AL035411, AC005839, AC004526, AL122020, AL133245, AC010168, AC006130, AC006538, AC004890, AC000134, AF143866, AC002553, AL022336, AC007637, AL135744, AC004685, AL031295, AC005799, AD000864, AR036572, U91328, AL035684, AC006512, Z97876, AC002429, AC005821, AL024498, AC007488, U62631, AC005368, AL049694, AL009181,</p>

HSAXI62	5612	531114	1 - 411	15 - 425	AC005924, AC005409, AC002395, AC008062, AC006211, AP000563, AC005666, Z81364, AF001549, AC008041, AC005971, AL022318, AC004815, AP000211, AP000133, AC005346, AC006480, AL133448, AP000557, AL109984, AL022312, Z95116, AC004035, AC005362, AC006088, AL117355, AC005537, AC000353, AC004938, AF053356, U07561, AB020865, AC006312, AC006597, AL118516, Z49155, Z97056, AC005089, AC004796, AC004963, AL035071, AC005159, AC007207, AC005280, AC002425, AL049872, AB032988, AC004448, AC005153, AP000962, AL035072, L31948, Z97184, Z83840, Z98052, AC012085, AC007666, AC002401, AC005575, AP000049, AL022323, AC007371, AC003025, AC003048, AL079340, AL121658, AC005755, AL034553, AP000311, AC000052, AP000362, AC005049, AC005300, Z82212, AL022165, AC007193, AL033376, AC005589, U63721, AP000692, AC002094, Z93244, AC004084, AF139813, AC015853, AC002310, AL031659, AC005031, AC008101, AC004895, AL078581, AC005484, AC005943, AC006515, AC003071, AC002991, AP000048, AL021579, AL035454, AL035443, AC007546, AC016027, AF067844, AP000359, AC007793, AC016830, Z93017, AC004999, AL049759, U51561, AC001643, AF016898, AC004228, AC005730, AL050350, AC002319, AL022238, AC006077, U07562, L81394, AC010205, X99832, Z84466, AC004967, AC007286, AC010170, AL022328, AP000044, AL096712, AB023048, AC005520, AL031737, AC004858, AF109907, AC000029, AL049569, AC005588, AF001550, Z99127, AL049653, AC002551, AC006958, AL008726, AL035445, Z97053, AC001226, Z85987, Z97054, AC005516, AC002126, AC005182, AC002470, AC004805, U91327, AP000031, U73169, and AB001523.
HSAXI25	5613	964753	1 - 228	15 - 242	T98562, and AL031778.
HSAXL83	5614	866840	1 - 350	15 - 364	AC005971.
HSAXM33	5615	866837	1 - 368	15 - 382	
HSAXM34	5616	526939	1 - 242	15 - 256	AC003007, and AC005632.
HSAXM44	5617	574173	1 - 316	15 - 330	
HSAXM68	5618	754061	1 - 310	15 - 324	
HSAXM91	5619	784470	1 - 229	15 - 243	AC004815.
HSAXN51	5620	574286	1 - 458	15 - 472	
HSAXO52	5621	726053	1 - 585	15 - 599	AA866609.
HSAXO53	5622	727491	1 - 309	15 - 323	AW009820, and AA568195.
HSAXO65	5623	713784	1 - 244	15 - 258	AC002331, AL034350, and AL033397.
HSAXP51	5624	725673	1 - 325	15 - 339	
HSAXR08	5625	959441	1 - 662	15 - 676	T78958, AA553524, T78906, and AL021453.
HSAXR83	5626	866831	1 - 430	15 - 444	AW294886.
HSAXS44	5627	715896	1 - 327	15 - 341	

HSAYA60	5628	650857	1 - 356	15 - 370	AI393358, AW241990, T93203, AA826386, H92152, AA665661, AA137025, AA534089, AA071151, R00203, AA757621, AL138252, AF207550, AL031984, AC005081, Z81367, Z95115, AC008124, AL031291, AC004491, AC005529, AC002350, AL035685, AC004882, AC005622, AC005015, AL049576, AC006001, X86011, AC006515, AC004382, AL049569, U89335, Y10196, AC005011, AC008044, AF196971, AL022316, AL031846, AF001548, AL031864, U91326, AF000493, AC006449, AC005618, AC003041, AL133304, AL031283, AC004536, AC007240, Z97632, and AC003010.
HSAYA80	5629	751139	1 - 620	15 - 634	AL031733.
HSAYA95	5630	856883	1 - 406	15 - 420	
HSAYC17	5631	663910	1 - 590	15 - 604	AF062359, and AC004049.
HSAYC39	5632	705409	1 - 362	15 - 376	
HSAYC84	5633	723425	1 - 425	15 - 439	R31954, R10634, and AW195428.
HSAYG62	5634	745692	1 - 390	15 - 404	
HSAYH09	5635	971427	1 - 613	15 - 627	AC003663.
HSAYH38	5636	731434	1 - 737	15 - 751	AI431434, AW162288, F13749, AI696793, AI245693, AI537538, AA284247, AL119691, N69462, AA176605, T06207, AA720732, AW304580, AW486767, AA486877, AA937427, AA524616, AA879053, AI866691, AL046746, N24909, AA448838, AI751162, AA493226, N22058, AW270258, AA587991, AI040051, AA806796, Z79422, U67810, Z30979, AC007040, AL031848, Z22650, AL049872, X55931, AL031282, U57005, AC002347, X74558, Z97206, AC006130, AC005786, AC005089, AC006241, AC006441, AL133382, AL033522, AC002301, Z83844, AC007845, AC000159, AC000080, AC004854, AC004858, AC004821, AL096701, AL031228, AL034420, AC003110, AC016025, AC006273, AC007242, AL135783, AC004019, Z94044, Z85986, AL049780, AC005280, AC007435, AL049869, AL133243, Z83826, AC000025, AC005527, AL024498, AL135744, AC004263, Z69917, AC000118, AC004974, AC004526, AC002544, AF109907, AL121658, AC002554, Z85987, AC004067, AC006312, AC005696, AC005663, AL139054, AC002369, AC005486, AC002404, AC002425, AL034423, AL122020, AC005778, AC006120, Z30994, AC004598, AC002395, Z84487, AL096791, AC005921, AB026906, AC005348, AC005920, AC006160, AC016831, AL031686, AJ246003, AC005209, AC005940, AP000503, AL031311, AL050312, AC005071, AL133448, AL031255, AC009044, AL022336, AC007057, M63796, Z93023, AC005288, AL080243, AC006064, AC004499, AC002350, AL008582, AL035587, AC007226, AC005529, AC005939, AC005225, AC004257, AL008635, AC002455, AC003029, AJ011930, U63721, AL022238, AL049830, AF045533, AL022318, AC004752, AC006001, AC004601, Z83851, AC007388, AL109984, AC005722, AC006211, AC000052, AC007731, AC005684, AL035361, AC005954, AF134726, AF001549, AB000882, AL034402, AC005500, AP000509, AF205588, AC005179, AC005387, AC004834, AC003042, U63630, AC004449, AL035652, Z95114, AC005632, AC007308, AC006126, AC007773, AC003109, AF129756, AC016026, AC004791, AF064864, AC004647, AC004890,

						AC003982, AP000506, AC005520, Z98048, AL031276, AC005899, Z82179, AC004815, and AL049694.
HSAYK03	5637	881282	1 - 430	15 - 444		
HSAYK26	5638	681730	1 - 343	15 - 357		AL049569.
HSAYK79	5639	699056	1 - 356	15 - 370		
HSAYL46	5640	720352	1 - 593	15 - 607		AI797238, and W85776.
HSAYL64	5641	765847	1 - 346	15 - 360		
HSAYL72	5642	951025	1 - 267	15 - 281		
HSAYL93	5643	920778	1 - 336	15 - 350		AL031657.
HSAYM75	5644	719241	1 - 351	15 - 365		
HSAYM91	5645	959486	1 - 362	15 - 376		
HSAYN79	5646	471037	1 - 665	15 - 679		
HSAYO71	5647	745703	1 - 339	15 - 353		
HSAYR35	5648	675897	1 - 212	15 - 226		D83781.
HSAYS26	5649	681725	1 - 372	15 - 386		AI824918, C14298, D51213, D80168, D80949, D59627, D51079, D80064, D59695, D81111, D52291, D59484, D58246, D45273, D80228, C16955, T03048, D80219, C14407, D59619, C14227, D80210, D80240, D59503, D80290, AW360780, D80258, D80014, D81030, D80212, D58101, D80439, D57483, D59889, D59653, D80195, T11417, C15076, D80251, AI535686, D80166, D80188, AW377669, AA305409, Z33452, D59859, D59610, AI557774, D80366, D80196, D51423, AW352172, D51799, D80253, C14389, D80024, D80247, D80045, C14077, D52059, AA305578, D80269, D80022, D58283, D51022, AI557751, D80391, D80164, D50979, D59787, D59502, D50995, C14331, D59467, D59275, D80043, D80227, D80241, D80133, D80157, D59927, D81026, D80302, D80038, H67866, D80193, AA514184, T02974, H67854, C14014, D51060, D51053, AA514186, AW377661, D80378, D80268, D80248, C05763, AI525216, C06015, AA514188, AI525228, D51103, C05695, Z21582, D51221, D80522, C75259, C14973, F13647, AA809122, D59551, C03092, D59474, AI525238, C04682, N66429, C14344, D51759, Z30160, D59373, D59317, AI525215, AI525222, C14957, D45260, T03116, C14046, AI525912, AI525969, H67858, AI525235, AI525920, T02868, C13958, D60010, AI525917, AI525242, AI535961, D31458, AI525239, D50981, AI525227, F13796, AI525923, AI525978, AI525219, AI525237, AI525903, AI525925, AR016808, X64588, AB010386, A62298, AR018138, A84916, A62300, AJ132110, AR008278, AF058696, AB019242, U37689, A82595, I81198, AB028859, AB002449, A47134, AR060385, I14842, AR008277, AR008281, I79511, AR054175, and X72378.
HSAYS54	5650	730688	1 - 569	15 - 583		AA256081, AA594396, and AL035684.
HSAYW12	5651	856909	1 - 391	15 - 405		AI809688, and AC007201.
HSAYW75	5652	866818	1 - 290	15 - 304		
HSAZC11	5653	964994	1 - 343	15 - 357		

HSAZC18	5654	666442	1 - 362	15 - 376	H92704, H94751, AA070456, R92658, AA465689, AA587113, Z85988, Z82188, AP000466, AL035461, U73641, AC005057, AC005484, AC004797, Z92709, AC005549, AP000501, Z84466, AL096791, Z98304, AP000155, Z68164, AC005370, AC005746, AF001549, AP007023, AC007637, AC004596, AL109798, Z82172, AC004253, AL035249, Z94044, Z98946, AF064483, AF064484, AL031774, AF067844, AL109627, AC002314, AC006077, AP000124, AP000171, AP000056, AP000330, AL109628, AP000193, AP000033, Z82194, and AC001226.
HSAZC33	5655	702423	1 - 355	15 - 369	AP000269, AP000032, and AP000103.
HSAZC41	5656	712326	1 - 334	15 - 348	AC007349.
HSAZC69	5657	757577	1 - 217	15 - 231	AA601919, AW130614, AA653964, AA828680, AA551509, AA775416, W07032, AI372413, AA428414, AA593060, AA663634, AA723017, F26152, T28550, AI252207, AI510838, AA658235, AA828704, AA344959, AA634227, N43757, AA486680, AI284684, AA025083, T52732, AA450199, C19058, AA320748, AI921649, AA310158, AI376100, AA365347, AA634855, AA301813, AA501600, AI254153, AI453383, AW074059, AI356904, AI564284, AW304531, AA326441, AI547286, AI922654, AA989126, AA776936, AW247132, AI216799, AA776921, AI270149, AA465321, AA372875, AI378729, AL037554, AI079667, AA372106, AI251949, C17838, AL037910, AI254626, AI251996, AI252979, AI254937, AA828984, AI254440, N70442, AI254798, AA669634, AW269639, AI252112, T47348, AW086251, AI252828, AA639326, AI857261, AA984111, AI251380, AI251298, AI251598, AI570138, AI252933, AI254658, AI223508, AA535661, AI241970, AI254673, AA083136, AW086334, H58672, AA353595, AI251976, AA632612, AI270343, AI251968, AA584749, AW086356, AW086335, AL133448, AL031587, AC004230, AL049613, X03272, AC011604, AL109798, AL049830, AC002073, AC006064, L42240, AC006128, AL079340, AL031736, AL078474, X98288, AB017602, AC005703, AC005516, AC006141, AB016897, AC002286, AC002124, AP000359, AP000692, AL121603, AI002227, Z73358, AP000310, Z99755, M62424, AR025392, AF131217, AL035681, AL021579, AC005911, AL035684, AL109984, AC004858, AC006165, AL035413, AC004841, U46117, U66059, AC005736, AC006277, Z15025, AC002041, AJ006995, AL008638, AC006449, AC005215, AC004741, AC007688, AC004817, AF190465, U95740, AL109939, AC004383, AC005071, D00591, AF109907, AC004647, AP000116, AL031722, AC005533, U47924, AC016026, AC005251, AC000392, AC004941, AC005358, AC004010, AL121934, AC004907, AC005971, AP000553, AC009516, AC006312, AL031846, AL109799, AL049757, U73641, AC004098, AC000095, Z82182, AL035464, AC004990, AL021918, AL079295, AP000252, AC006464, Z82190, AC003977, AL049776, AB023051, AL031178, AC004712, AC006040, AC004895, AC004685, AC006455, AP000212, AC007536, AC009300, Z98884, AC004478, AC006241, AC005701, Z97352, U96409, AL009031, Z98950, AL021546, AC006116, AC002326, AF124731, AL008629, AF064861, AC005838, AP000512, AC004814, Z86061, AC005368, AC006538, AL022320, AC005565, Z75890, AC003003, AC002527, AC000353, AC005288, AC006084, AC005837, AP001038, AP001040, AP000141,

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HSAZC70	5658	866814	1 - 224	15 - 238	AW170254, AA329068, H85372, T85640, M85706, T05004, D82407, and AL042605.
HSAZC72	5659	509611	1 - 352	15 - 366	AA460367, T34066, A1810488, AA632869, A1360630, A1823533, A1823535, AA837325, T10218, AL038977, AA363957, AW070476, AA613623, A1281401, AA748102, T05617, AA557911, D82321, A1078409, AW169414, A1312424, AA525332, A1379978, A1292317, AC008928, AC008124, AC009509, AC006079, AL008715, AL031283, AC002045, AC004859, AC006121, AC006016, U95740, AC004750, AC005568, AC006381, AC002365, AF123462, AC004668, AL022165, AC004703, AC006487, AL034421, AC008134, Z95703, AC007551, AC004552, AP000503, Z83840, AF134726, AC007559, AL020998, AC005885, AL117338, AC005702, AP000350, AC005952, AC007226, AC005829, AC002470, AC004941, AC009464, AC007199, Z98749, AC005621, Z98036, AL049843, AL049759, AC005409, AL050308, AC005349, AC007193, AL080243, AL080250, AC006064, AC004990, Z98950, AL050322, AC007395, AF109907, AC005217, AL035079, AC002984, AD001527, AC002996, AC007308, AC002039, Z98048, AP000008, AP000704, AC022517, AC005531, AL049776, AC002395, AC005512, AL035420, AC002472, AC002477, AL121591, AP000308, AL031186, AP000048, AC004656, AC004695, AC004821, AC005696, AC004929, AC003029, AC009263, AC003071, AC004159, AF031075, Z83839, AC006323, AC004002, AC005856, AC005914, AC003682, AC007386, AC006255, A98026, Z81000, AP000279, AP000106, AP000038, AC002431, AC007388, AC003035, AC004817, AL022151, AF045555, AL034369, Z93241, AP000353, AC001231, AC002381, AC005081, AL035070, AC008072, AF002994, AC004042, Z82190, AL031466, AC002407, AC006061, AC005800, AC006006, AC004843, AC007681, AC004383, AC002312, and AL133246.
HSAZD30	5661	692708	1 - 300	15 - 314	D57483, D58283, D51423, D80043, D59275, D80253, D80166, D80195, D80022, D59619, D80210, D51799, D80391, D80240, D80227, D59859, D59502, D59889, D80212, D80196, D80188, D80219, D80038, D59927, D81030, D80269, C14331, C14389, D80366, D59787, D80193, D50979, D59610, D59467, D80164, C14429, D50995, C15076, AA305409, D80024, D80378, D80241, D80045, T03269, C75259, C14014, D51060, D80251, AW178893, D80134, D51022, AW179328, AA305578, AW177440, D81026, AA514188, D80248, D51250, F13647,
HSAZE47	5662	887420	1 - 503	15 - 517	

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HSAZE66	5663	725704	1 - 510	15 - 524	<p>AI571656, T48723, F27015, AI701080, AI471455, AA946848, AI687343, AI961536, AA657835, AA728894, AW440368, N41775, AI076236, AI801649, AI583291, AA130647, AA992126, AA514020, AI356440, AW157005, AI028510, F23327, AA533054, RG9819, AA298362, AW083934, AA297776, AI583142, F30158, AA485289, H79308, AI206078, F00688, AI205181, H62550, AA527954, AI824476, AI340151, AA599710, H12857, T47138, AA608561, AI823705, AI925065, AI025930, AW088631, AA232928, N68449, T50363, AA262769, AA487892, AW238253, H24957, AA559205, AI880324, Z84487, AL049776, AL031602, AL035457, AC007371, AC005189, AC006487, AC005332, AL009179, AC008069, U80017, AC002432, AC005696, AC006211, AL034429, AC007684, AC006948, AC004383, AL022323, AC020663, AC008372, AC006126, AC006312, Z98200, AC006079, AC004099, AC002310, AC007327,</p>

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HSZAF25	5664	787070	1 - 386	15 - 400	AC004504.
HSZAF47	5665	719615	1 - 413	15 - 427	
HSZAG04	5666	927161	1 - 398	15 - 412	AA885793, AL1719268, AA147540, AA156247, AW084036, AA493947, AL049245, AF134726, AC006130, AC006084, AC007216, AF146367, AL021578, Z97196, AF124523, AP001053, AP000501, AC004923, AL049713, AL078460, AC005587, U91322, AC004814, Z81365, AC002978, AB020868, AL021395, AL133245, and AP000555.
HSZAG53	5667	727729	1 - 281	15 - 295	N63363, AC004216, AC005682, AL031291, AL109798, AC006263, and AL033527.
HSZAH64	5668	730784	1 - 334	15 - 348	
HSZAI04	5669	927167	1 - 488	15 - 502	
HSZAK83	5670	781717	1 - 196	15 - 210	
HSZAN07	5671	847802	1 - 387	15 - 401	AL561116, AA507682, AA492198, AA301813, AA601995, AA601623, R24915, AA657672, AA723017, AL824562, AL049986, N66026, AW268300, AL537955, AA634013, F17700, F23327,

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HSAZP34	5672	796044	1 - 482	15 - 496	AA295039, AC007793, AC005250, AP000345, L78810, AC005664, AC006547, AP000346, AC008069, and AC002563.
HSAZQ04	5673	927174	1 - 438	15 - 452	AL121603, and AL049776.
HSMBA04	5674	927420	1 - 320	15 - 334	AL024508.
HSMBA53	5675	727597	1 - 332	15 - 346	
HSMBA53	5676	964887	1 - 142	15 - 156	
HSMBD29	5677	690390	1 - 560	15 - 574	
HSQFR23	5678	676362	1 - 425	15 - 439	A1080151, A1989391, A1651717, and AA927298.
HSYAD19	5679	668590	1 - 118	15 - 132	N93672, H61817, R25189, A1699775, AW074713, AW069406, AW195989, AA780124,

						AA386120, AA405509, N80675, N27842, N73282, N26146, AA410443, H99474, N36171, AI375378, AI380262, AI802389, AW304896, AI635365, AI433692, N26092, N36091, AI580168, AI814370, AI857578, AW006242, AI572079, U69196, N26547, AF042001, and AF084243.
HSYBC05	5680	920174	1 - 644	15 - 658		T20203, AA251849, and AW152678.
HSYBF51	5681	883699	1 - 446	15 - 460		AI035409.
HSYBL15	5682	660053	1 - 551	15 - 565		AA370052, and AF021935.
HSYBL77	5683	727842	1 - 334	15 - 348		T96708, and AW179197.
HSYCX75	5684	870939	1 - 363	15 - 377		
HSYDF85	5685	783730	1 - 418	15 - 432		AA381777.
HSYDP04	5686	970789	1 - 490	15 - 504		AF113615.
HTISC71	5687	792728	1 - 442	15 - 456		
HT2AB63	5688	518444	1 - 339	15 - 353		AA380880, AA380894, AA372958, AA730872, AA480792, AI824787, AA345665, AW075897, AW085751, AA297498, AA565338, AA147397, AA070614, AL046110, AW087537, AA330435, AA555131, AI285521, AI866422, AA551968, C14614, AI049845, AA586474, AI720671, R22196, AI338992, H48670, AI754064, AI086603, AI684335, AA071173, AW173443, AC006512, AC006130, AC005392, Z81308, AL049758, AL031291, AL133448, U29462, AL008723, AL031255, AP000553, AC009516, AC006597, AP000511, AC005048, AC009263, AC002395, AJ010770, AL031427, AC005081, AC007055, AC004542, Z93023, AL022316, Z95116, AC005694, AC006449, AC005082, AL031315, AC007199, X69907, AC007899, AC005730, AL049712, Z86090, AC007358, AC015853, AL034430, AC005527, AL049757, AC005828, AF053356, AL008718, Z93783, AC004821, AL117338, AL079295, AC005736, AL031114, AC004875, AC002470, AC005280, U78027, AL132857, AC004841, AP000201, AC004998, AC005358, AL035422, AC005033, AC004796, AC007688, AL022400, AL122020, AL031311, AP000097, AC005666, AC005297, Z97056, AC005154, AC007227, AP000240, AC005529, AC016831, AC006544, AF030876, AL139054, AC005247, AC004030, AC005180, AF196779, AL034420, AC007684, AC007845, AL020993, L78810, AC007686, AC008079, AF001550, U52112, AC016025, Z99716, AC016026, AL031659, AL023807, AC005067, AP000350, AC005399, AC006261, Z82215, AL022165, AF067844, AC003108, AL049653, AL078463, AC004019, AC005245, AC005969, AC004079, AC005209, AC002316, AB023050, AL121655, AL132987, AC003101, Z98048, AF205588, AL049874, AL096791, AL022398, AC004526, AC004651, AL022328, AC006050, AL022322, AC005291, AC004223, AC005274, AL022313, AL031432, AL035658, AC002045, AL024508, AC007637, AL121603, AC005562, AC005914, AC007731, AL133163, AC004150, AC006211, AC004983, AC008044, AL049777, Z98742, AC004854, AC004812, AC007685, AC007397, AC005102, AC005015, Z95113, AC005823, AC007541, AL035455, AL031767, AC005243, AC008282, AC007240, AC006543, Z93017, AC007253, AL021154, AP000248, AC003667, AC003007, AC007676, AC006167, AC020663, AL050321, AC004834, AL096763, AC011311, AC003962, AP000512, AC007993, AL031575,

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HT2SA18	5689	522773	1 - 430	15 - 444		N55479, AA701600, and AA249475.
HT2SF05	5690	932853	1 - 534	15 - 548		AC005137.
HT2SF45	5691	522759	1 - 307	15 - 321		
HT2SG56	5692	870913	1 - 432	15 - 446		AW007604, and AL021938.
HT2SG66	5693	522753	1 - 320	15 - 334		
HT3AG28	5694	973645	1 - 225	15 - 239		AW297280.
HT3AH13	5695	527913	1 - 406	15 - 420		AA601968.
HT3BA84	5696	509190	1 - 398	15 - 412		AA380995.
HT3BB93	5697	530750	1 - 252	15 - 266		
HT3BC30	5698	691009	1 - 327	15 - 341		
HT3BF34	5699	534887	1 - 280	15 - 294		AC004111.
HT3BG05	5700	932557	1 - 352	15 - 366		
HT3BG34	5701	527779	1 - 229	15 - 243		
HT3SA07	5702	954360	1 - 315	15 - 329		
HT3SB56	5703	958400	1 - 939	15 - 953		AA479273, AI831952, AI674793, AI369244, AI762813, AI498858, F25843, AA694320, R85554, T85554, R87717, R28878, and AF001548.
HT3SF46	5704	522600	1 - 300	15 - 314		
HT3SF93	5705	791423	1 - 515	15 - 529		AA143077, AI560342, and AC005781.
HT3SG30	5706	522532	1 - 353	15 - 367		
HT4CF32	5707	887174	1 - 1695	15 - 1709		AI347001, AI343380, AI693849, AI829933, AI394727, AA604808, AA729929, AI693841, AW293065, AA748867, AI745694, AF116509, AF116510, AF116508, AF218235, AF147782, AF175387, and Z84484.
HT4CL83	5708	974117	1 - 476	15 - 490		
HT4CM20	5709	805558	1 - 435	15 - 449		II50788, AW404210, AA355417, and AB018335.
HT4FN75	5710	686279	1 - 114	15 - 128		
HT4FS23	5711	952837	1 - 231	15 - 245		
HT4FV06	5712	935056	1 - 73	15 - 87		
HT4GF30	5713	870887	1 - 395	15 - 409		AI871007, AA773904, AI127475, AI523587, AI862655, AI830621, AW134689, AI768600, AW274750, AA142876, AI825831, AA633463, AI307774, AI916645, AA576383, AA143146, AI334590, AI867665, and AI867677.
						AA306449, Z97832, and X96705.
HT4GJ85	5714	909971	1 - 514	15 - 528		
HT4SB45	5715	522502	1 - 385	15 - 399		
HT4SE86	5716	531561	1 - 409	15 - 423		AA381059, and AC005344.

HT4TB12	5717	870955	1 - 263	15 - 277	AA236660, AA381041, AW001285, AI372981, AI819838, AI719948, AI571409, AI597639, AI356384, AA827059, AI356548, AW275578, AA971646, AW274489, AI863800, AI806948, H41508, AI311085, H41515, AA953361, AI498787, AA701412, and AD000671.
HT5AD70	5718	960050	1 - 154	15 - 168	AA381071, AA381084, and AA380862.
HT5AH76	5719	921539	1 - 120	15 - 134	
HT5AI96	5720	728624	1 - 76	15 - 90	
HT5EA69	5721	952359	1 - 475	15 - 489	R34942.
HT5EU04	5722	531205	1 - 467	15 - 481	AF017104, and AC016831.
HT5EU59	5723	739092	1 - 341	15 - 355	
HT5FD31	5724	697721	1 - 323	15 - 337	
HTAAA68	5725	733636	1 - 307	15 - 321	AA381204.
HTAAA74	5726	960479	1 - 777	15 - 791	AA167683, AA381245, AA381209, AA381208, and AC000159.
HTAAC05	5727	932913	1 - 432	15 - 446	AA381237, AA381536, AA381939, AA381906, AA381885, H72587, H45806, AI183392, AA569448, AA287046, AA355128, AI936092, AA740219, AA745373, AW128881, AI590404, K53995, N76031, AA381687, AA767571, CI6638, AW269071, AI419337, AI361090, AA363968, AW271095, AW302832, AI421950, AI284536, AI251563, AI252141, AI733946, AW021007, AI733930, AI792695, AI792746, AI792842, AW026305, AI252190, AI792856, AA485289, AW151549, AA373861, AW090629, F09631, AA206594, AA453151, AI246061, AA486352, H68328, AW440709, AI979126, AW117895, AI054090, T65131, AI251241, AI249853, AI884861, AI284543, AI254770, AI251944, AI251034, AI251203, AI251284, AI250552, AA598608, AA491361, AI354341, AW337805, F25640, AA814719, AA078088, T89662, AL042869, AA729004, AA381652, AA381713, F30497, AA610530, AI254781, F00211, AA297930, AA020882, AW086117, H38817, R01095, AA304790, T40550, AA878407, AI914558, AA493701, AA526673, AA295893, AA295899, AI821025, AI359368, AI821314, T10218, AA491722, AC005231, AC005546, AL121754, U07562, AI023553, AC005911, AC005781, X59875, AW087226, AA664248, AA780648, AI245693, AA551548, T41166, AL031589, AP000359, AC005380, AC006130, AL031666, AL009179, AC008115, AC006538, AL049540, AC004834, AC004765, AC004383, AF131939, AC005602, AC004891, AC006251, AL035413, U63721, AL035681, AF015416, AL021391, AL080243, AC007052, AL022726, AC006536, AC005208, AL035410, AC002395, U91323, AL033527, L47234, AL049713, AC004930, AC004825, AC004525, M20902, U36755, M26434, Z85987, AC010072, L29074, AC007066, AC005799, AF064861, U89335, X02883, AL035450, AC004966, AC006121, AL096801, AC006539, AC007934, AJ011930, AC003051, AC019014, AC006137, AL034582, AC007421, AC006141, AL031983, AL031650, AC003080, AC007450, Z69706, AC004778, Z73417, AL096774, AL035398, AC006077, AP000068, AP000008, AL031659, AC004230, AC004804, AL031285, AC007488, AC007226, AC005618, AC005746, U62293, AC004975, AC005057, AC002072, AL008631, AL021367, AC005913, AC002350, AC002365, AB033012, AL031777, AP000126,

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HTAAG63	5728	578537	1 - 447	15 - 461	AA503675, AA381181, AA492325, AI281401, H25626, AA516045, AC005193, AL132712, AC002314, AC005280, AD000671, AC007308, AC006077, AC005971, AC005480, AF108083, AC005206, AC005261, AC005667, AC005225, AC002316, AL049570, AL034418, AC004929, AP006688, AB026899, AC002559, AJ011930, AC005785, AL117338, AC004859, AL022313, AC006023, Z84487, U91323, AC003962, and AC002377.
HTAAP36	5729	629270	1 - 286	15 - 300	AA381924, AA381526, AW006162, AI150151, AW003573, AW272490, AA382744, AA676670, AA400188, AA608773, AA148109, AA913954, AA905227, AA400346, AW241479, AI654709, AI214730, AW207216, AA905243, AI554052, AI208940, AW235898, AW274535, AA969339, AI913386, AI635370, AW207054, AW161786, AP000553, and AF060862.
HTAAP96	5730	518454	1 - 223	15 - 237	AA381811, AA381271, and AA381671.
HTAAQ82	5731	952304	1 - 602	15 - 616	AA381587, AA381772, and AA381998.
HTAAU76	5732	508527	1 - 306	15 - 320	AA381744, AA381925, AL045797, and AL045505.
HTAAU78	5733	870884	1 - 117	15 - 131	AA381390, AA381725, AA319995, and AA381962.
HTAAW11	5734	961231	1 - 235	15 - 249	AA381616, AA381615, AA381569, and AA382076.
HTAAW46	5735	719422	1 - 264	15 - 278	AA381409, AA381410, AI133180, AI459866, AC006039, AC004905, AB020863, AC007680, AP000557, AC002395, AC004895, AP001053, AC005924, AC006210, AC005332, D86077, AL023575, AL139054, AL031276, and Z84719.
HTAAW81	5736	535295	1 - 295	15 - 309	AA381642, AA381664, AA381728, AA381608, and AA381961.
HTAAW89	5737	575304	1 - 132	15 - 146	AA381991, AA381750, AA381819, and Z84474.
HTABE51	5738	960936	1 - 275	15 - 289	AA381803, and AA381336.
HTABE93	5739	509675	1 - 288	15 - 302	AA381313, and AA381844.
HTABF52	5740	535399	1 - 302	15 - 316	AA381789, AA381881, and AA381457.
HTABF72	5741	508952	1 - 315	15 - 329	AA381500, and AC004885.
HTABG03	5742	960931	1 - 327	15 - 341	AA381713, AA381652, AA381821, AA381687, AA381686, AA381597, AA381596, AA381847, AA381685, AI559282, AA578626, AA373861, AA229655, H68631, AC005838, AC002544,

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HTABG44	5743	508366	1 - 128	15 - 142		AA381864.
HTABG83	5744	518355	1 - 164	15 - 178		AA381660, AA381544, AA381729, and AC004242.
HTABG87	5745	940153	1 - 530	15 - 544		R01633, AA381661, AA381405, and AR044136.
HTABJ93	5746	508441	1 - 250	15 - 264		AA381933, AA381875, and AA382012.
HTABK73	5747	835945	1 - 339	15 - 353		AA381761.
HTABN17	5748	954400	1 - 334	15 - 348		AA381836, AA381752, AA381908, AA382062, AA381970, AA382016, and AA381780.
HTACL04	5749	925571	1 - 338	15 - 352		
HTACN31	5750	974314	1 - 394	15 - 408		AL080243.
HTACN96	5751	975073	1 - 580	15 - 594		
HTACPI9	5752	537439	1 - 89	15 - 103		AI968466, AB002312, and AB032254.
HTACP52	5753	968997	1 - 563	15 - 577		AA287087, AA651846, AA601230, AI253519, AA501906, AA256949, AL079769, AI925776, AA479930, AA491864, AA159046, AW402143, AA557604, AA828046, F11809, AI745457, AA501614, N24321, AA363225, AI278972, AA904231, AA526193, AA747632, R70326, AC007934, AF190465, AC004530, AC002565, AC004837, Z93930, AC002404, AC006537, AC006112, AC005280, Z82215, AL109865, AL049795, AC007676, AC004821, AL020993, AC003046, AC003982, AC006241, AC005217, AF037222, AC005288, AC004520, AL031733, AL133163, AC011604, AC007239, AL031666, AC004953, AC006101, AC007262, AC005531, AC002470, AF053356, Z23091, AL139054, AC003044, AL021391, AL050307, AC005304, AC005702, AC005829, AC002073, AC004228, AF165926, AL035089, AC006115, AC004814, AC006160, AC005529, AC004167, Z68282, AC007298, AL031657, Z86090, AC006965, AC007551, AC004686, AC007537, AC006449, AL021154, AL117592, L78810, AC007229, AF196779, AC004000, Z92542, AC005632, AC002123, AL021331, AC000085, Z85999, AC006197, AC004638, AL033527, AC004884, AL023879, Z83844, AC007057, AL049872, Z99716, AB023049, AC005971, AC005730, AC002347, AL034411, AL035086, AL080243, AP000512, AL033397, AC006033, AC005527, AP000961, AP000704, AL035450, AL078477, AC004883, AC002312, AC005844, AC004019, AL049694, AC007151, Z93244, AC005138, AP000555, AC005486, AL035652, AC005355, AC000092, and AC005746.
HTACR92	5754	918250	1 - 295	15 - 309		
HTACS45	5755	537433	1 - 109	15 - 123		AC000159.
HTACS46	5756	537435	1 - 284	15 - 298		
HTACT29	5757	537377	1 - 301	15 - 315		
HTACU21	5758	504612	1 - 130	15 - 144		AA381989, and AI225782.
HTACU80	5759	777608	1 - 194	15 - 208		AA308896, AA299220, Z83840, AF134726, AL078644, and AC006026.

HTACW17	5760	961560	1 - 313	15 - 327	AI479338, AW193956, AW204083, AI942363, AA286986, AW135497, AI066644, AI436295, AA018555, AI333268, AW182032, AA278842, AI807168, H43862, AA761285, AW293924, AW293036, and AW250094.
HTACY32	5761	531492	1 - 431	15 - 445	
HTACY49	5762	557836	1 - 350	15 - 364	
HTADA22	5763	507146	1 - 367	15 - 381	
HTADC11	5764	967577	1 - 335	15 - 349	AC006486, and X97703.
HTADH05	5765	932470	1 - 116	15 - 130	H04057, R81380, and AI087942.
HTADH61	5766	955245	1 - 210	15 - 224	
HTADI11	5767	964944	1 - 226	15 - 240	
HTADI93	5768	870820	1 - 259	15 - 273	
HTADI25	5769	537427	1 - 295	15 - 309	Z94160.
HTADI36	5770	773764	1 - 447	15 - 461	AW411107, and R82922.
HTADK40	5771	537423	1 - 447	15 - 461	
HTADM61	5772	550342	1 - 460	15 - 474	AA306284, AA348482, U51715, AI910293, AA337287, AA319313, AA486319, AI039891, AI936644, AI634534, AI693668, and D87442.
HTADQ83	5773	734996	1 - 228	15 - 242	
HTADQ93	5774	537418	1 - 110	15 - 124	
HTADR41	5775	934435	1 - 347	15 - 361	Z97989.
HTADW69	5776	537428	1 - 293	15 - 307	
HTAED78	5777	761591	1 - 413	15 - 427	AL133243.
HTAEF32	5778	927101	1 - 579	15 - 593	
HTAEH74	5779	974303	1 - 365	15 - 379	
HTAEJ77	5780	930978	1 - 414	15 - 428	AA381361.
HTAEK78	5781	773763	1 - 518	15 - 532	
HTAEL90	5782	958220	1 - 134	15 - 148	
HTAEO84	5783	537374	1 - 91	15 - 105	AL109758.
HTAER18	5784	537421	1 - 272	15 - 286	
HTAES82	5785	537373	1 - 342	15 - 356	AC005669.
HTAEI86	5786	969532	1 - 284	15 - 298	
HTAEU76	5787	767903	1 - 556	15 - 570	AA533823, AA887181, R44042, AI064955, H05828, AA613954, AA654852, AI311234, AA424170, AI034399, AC004875, AC005924, AI031427, AC006343, AF111168, AC006241, AC009399, AC007277, AC005095, AI049780, AC005701, AC005552, AC005903, AI050332, AC006057, AI024508, AI031681, AC006530, AI109623, AC007207, AI050334, AI121655, AC008045, AC007014, AC007193, Z93022, AI031291, AI034548, Z99716, AP000281, AP000039, AP000107, Z98884, AI109628, AC005347, AC005364, AF109718, AC005156,

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HTAEV65	5788	838803	1 - 588	15 - 602		AL118881, and AA569067.
HTAEW87	5789	971526	1 - 323	15 - 337		AA381722, AA381242, and AA381829.
HTAEW95	5790	780986	1 - 449	15 - 463		
HTAEX66	5791	881092	1 - 474	15 - 488		AA381840, AA381799, and AA381872.
HTAFA06	5792	934570	1 - 417	15 - 431		AC004551.
HTAFA66	5793	868433	1 - 622	15 - 636		
HTAFC37	5794	973085	1 - 1047	15 - 1061		AI867175, AI654803, AI825698, AI633921, AI692176, AI632546, AI339492, AI003917, AA669506, AA968579, AA889250, and AI634422.
HTAFC76	5795	767976	1 - 470	15 - 484		AC005480.
HTAFD63	5796	744409	1 - 54	15 - 68		
HTAFE69	5797	944409	1 - 701	15 - 715		AI962030, AL038842, AA765925, AA832444, AA664043, AL079734, AA502991, AA084609, AA581247, AA452887, AI590906, AI066646, AA493226, AI335995, AI263264, AI755202, AA736695, AI568088, AI357823, AI955029, AI749527, AW328000, AC006312, AL121595, AL031848, Z98200, AC007263, AP000501, AF111168, AC006512, AL035587, AC002375, AC005952, AC004150, U91322, AL049712, AL133353, Z98051, AC004975, AC009784, AC002115, AC005004, Z93930, AL133244, AL080243, AC004821, AC006121, AC005412, AF134726, AF031078, Z93023, AC005527, AC004895, AC005255, AC008115, AC006468, AP000552, Z94721, AF030876, AC004891, AL049776, AC005702, AP000511, Z95331, AC005102, AL096794, Z85987, AC004967, AC004745, AC005920, AC005736, AC004554, AC006380, AP000502, AC007011, AP000030, AC005971, AC004851, AL008583, AL021707, AC005197, AC006480, AC005409, AC004813, M89651, AP000212, AP000134, AC004913, AC005529, AL031680, Z97353, AC007225, AB023051, AL096791, U91326, AL021391, AC004859, AL109847, AC005513, U95742, AC005914, AC005089, Z98036, AP000362, AC007686, AL031767, AL031311, AL035461, AL008715, AF196970, AC005071, AC005784, AC006043, AL049839, U85195, AP000031, AC000134, AC006277, AC005082, AL031662, AC005288, Z98884, AL049829, AC002350, Z75889, AL021878, AC005081, AE000658, AC007376, AC004797, AC005829, AC005028, AC006966, AC002301, AF000692, Z83826, AC006211, AC005924, AP000557, AC007731, Z94160, AC005500, AC002116, AC007193, AC006952, AP000512, AB017602, AL035071, Z85996, AL033525, Z83840, AC006511,

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HTAFE90	5798	787604	1 - 369	15 - 383	R20183, AA485189, F06553, and AB030181.
HTAFF11	5799	933028	1 - 325	15 - 339	AA381467, Z99297, and Z55213.
HTAFF76	5800	767968	1 - 379	15 - 393	
HTAFG52	5801	974338	1 - 709	15 - 723	
HTAFG58	5802	870854	1 - 531	15 - 545	AW007759, H73550, AA584489, AA720702, AA644090, AI064864, AA847508, AW151541, AI017251, AA847427, AI444646, AL037910, AA702539, AA702080, AA608520, AA664604, AI061313, H93293, AW302709, AA555229, AA338234, AI040051, AA533281, AA629540, AI205181, AI537955, T05834, AI031759, AL038842, AL079869, F23327, AI473995, H63660, AI491867, AI004591, AA634786, W79504, AA523843, AA579427, AI095197, AA573131, AW238127, AA720582, AL045077, AW169038, AW438616, AI689385, AA425924, AL031228, AC005274, AL035458, AL035450, AC005358, AC021092, AC004242, AC005666, AF111168, AP001053, AL031005, AC005940, AL031668, AL135745, AC009247, AL034420, AC004895, AF053356, AD000092, AC005755, AL049697, AC004963, AC005971, AC008123, Z98051, AC003681, AP000115, AC007406, AL109984, AC004686, AL133448, AL031295, AC005921, AI003147, AL049636, AF001550, AC005300, AF045555, AC005670, AL008732, AC003982, AL096701, AL078463, AC007308, AC004887, AC003083, AL049795, AF134726, AP000557, AC005703, AC005200, AC004472, AC005288, AC006213, AC005393, AL078611, AF217403, AL021808, AC004263, AC005969, AP000338, AC006960, Z82215, AC005083, AC008249, U95742, AF107885, AP000216, AC006050, AC006057, AC007102, Z93241, AF047825, AC007685, AL031311, AC007114, AL035423, AC002312, AC007182, Z84479, AC005828, AC005519, Z83840, AL022315, AC002126, AC002429, AC005209, AC005740, AC005244, AL078581, AC005774, AP000252, AC007226, AL078476, AL050338, AL022322, AC005086, AL009031, AC003682, AC006241, AC016830, U91327, AC002425, AC006273, Z93017, AL096791, AL110502, AC002565, AL049757, AC000379, AC005180, U95743, AC004765, AC005324, AC006515, AC007216, AL031053, AL022476, AF029308, AC006001, AL031429, U89337, AC005154, AC005859, AC007676, AC000090, AC007666, AL049843, AF039907, AC006023, AB001523, AC006430, AP000354, AC000041, AC005484, AC006039, AP000962, AL080241, AL049712, AL049776, AC007193, AL031584, AP000512, U85195, AC005220, AC004024, AC005535, AC005527, AC002326, AC007227, AL121603, AC004837, AC005015, AC008044, U15422, AC003692, AC006071, Z84469, AC003086, AC005412, AC005195, AC007214, AE000658, AL031432, AC004388, AC004883, Z84488, AC005482, AP000031, AC002470, AC005695, AC006195, AC000025, AC000052, Z69705, AP000152, AC006449,

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HTAGA71	5803	870853	1 - 292	15 - 306	
HTAGB89	5804	974060	1 - 392	15 - 406	
HTAGC91	5805	963125	1 - 386	15 - 400	AL041135, AB023229, and AJ236582.
HTAGI29	5806	925699	1 - 418	15 - 432	
HTAGI53	5807	936117	1 - 193	15 - 207	
HTAGL61	5808	963182	1 - 524	15 - 538	AW299622, AA931204, H92418, and AC004849.
HTAGN04	5809	926501	1 - 620	15 - 634	R02305.
HTAGV46	5810	847777	1 - 564	15 - 578	
HTAGV49	5811	836078	1 - 507	15 - 521	AW070228, and AA669099.
HTAGZ11	5812	965867	1 - 459	15 - 473	AC006101, AF003626, AC004966, Z93930, AL035684, AL133163, AB013139, AC004815, AF047825, AC004612, AC004832, AL049776, AF069291, AC002551, Z86090, and AF049895.
HTAHB17	5813	860919	1 - 324	15 - 338	AA381758.
HTAHJ49	5814	934013	1 - 490	15 - 504	
HTAHK12	5815	920332	1 - 544	15 - 558	
HTAHL28	5816	974030	1 - 399	15 - 413	
HTAHL45	5817	908949	1 - 649	15 - 663	R35096, R17249, D58283, D59502, D80195, D59275, C14389, C14331, D51423, D80038, D81026, D59467, D80164, D80227, D59859, D80022, D80253, D80166, D59619, D80210, D51799, D80391, D80240, D80043, C15076, D59787, D81030, AA305578, D80269, D51022, D80522, D50979, D80212, D80193, D80196, D80188, D59610, D80045, D80219, D59889, AA514188, D59927, D57483, C14014, D80378, D80366, AA305409, D80024, D50995, D80248, C14429, AW177440, AA514186, AW360811, D80241, D80251, D80133, D51060, AW178893, D80302, AW375405, D80268, T03269, AW377671, AW179328, AW366296, AW360844, AW360817, C75259, AW375406, D80439, AW378534, AW179332, AW377672, AW179023, AW178905, D80247, AW178906, AW177501, AW177511, AW378532, C05695, AW352171, AW352170, AW377676, D51103, D80132, AW177731, AW178907, AW178762, AW179019, AW179024, D58253, D59373, D80134, D51250, AW177505, AW360841, AW179020, AW178775, AW178909, AW177456, AW179329, AW369651, AW178980, AW177733.

HTAHL76	5818	974300	1 - 470	15 - 484	<p>AW378528, AW178908, AW178754, AW179018, AW352158, AW352117, D80157, AW367967, AW176467, A84916, AB028859, AJ132110, A62300, A62298, AR018138, AR008278, AF058696, A82595, X67155, Y17188, D26022, Y12724, A25909, A67220, D89785, A78862, D34614, A94995, AR060385, AB002449, D88547, AR008443, I82448, X82626, I50126, AR016808, I50132, I50128, I50133, AR066488, AR016514, AR025207, AR060138, A45456, A26615, AR052274, Y09669, A43192, A43190, AR038669, AR066490, AR066487, I14842, A30438, I18367, AR054175, D50010, Y17187, A63261, AB012117, AR008277, AR008281, AR008408, X64588, AR062872, A70867, X68127, AR016691, AR016690, I79511, U46128, A85396, D13509, D88507, AR066482, A44171, A64136, A68321, AR060133, A85477, I19525, A86792, X93549, AR060382, U79457, AF123263, AR032065, and AR008382.</p> <p>AW002350, AA428792, AW303008, AA602047, AW021627, AA730422, A1630283, AA297734, AW021583, AI349849, AA476397, AI590485, AI217936, T92271, AA236903, AI868384, C18521, AI932599, C18840, AI937125, AA092571, AA890425, AA526316, AA487621, AA715090, AI554758, AA488746, AI037052, H84675, AI564454, AI368256, AI635819, AA683238, AA831700, AI123396, AI370104, AA584733, AA483108, AA297769, AI045808, AI046156, AI819140, AA854993, AI525319, AW276835, AI036251, AA487417, AW068596, AI224093, AA719292, AI038473, AI754271, AA588001, AI755164, N64259, AW276748, AA564570, AA812141, AI088768, AI047429, N35602, AW177003, AA629872, AW149313, AI924872, AI890324, AI434686, AI037554, AA570230, AA486559, AA286669, AI046266, AA018283, AI766906, AI633479, AA431949, AI051457, AI828710, AW022608, AA370455, AI434186, AI249473, AW302950, AI138182, AW084445, AC005375, AC006930, AC005225, AC004234, AI049829, AC004087, AI022237, AC004675, AB002390, AC006537, AI030995, AC004150, AF111168, AF088219, Z97352, Z85987, Z83843, AC005730, AC007637, AP000700, U44395, AC004808, AI133245, AC002365, I44140, Z82206, AI023877, AC006019, AC004916, AC004527, U95740, AC000379, AI031602, AC000117, AI117258, U67221, AC002120, Z54072, AC004149, Z93023, AI078477, AI008633, AI031295, Z97987, Z84488, AC005598, AJ223364, AC004778, AI023882, U51561, AC005568, AC004257, U07562, AF017732, AC007360, AC006004, AI034451, AI049539, AP000345, AC004933, AI132712, AC004386, AI080243, U95743, AC005703, AI078638, AI021368, AI031259, AC005295, AI133249, AC005284, AC005291, AC005046, AP000253, AC007191, AC003086, AC006354, AC007685, AC006459, AF107885, AC002538, AR042836, AC006996, AC004755, U07563, AC011718, AP000126, AP000204, AC002124, AC012330, Z83841, AC008044, Z84466, AC004253, AP000244, AC007934, AC012099, AI133500, U50429, AC000076, AF038458, AC005911, AF155238, AI008631, AC004098, AC006518, AC007564, U47974, AF009660, AC004855, AC005183, AC006599, AI023578, AF015416, AI109827, AI031659, AC003962, AI035587, AC002477, AI033521, AI050325, AC004953, AI034548, AI034549, AC006987, Z98950, AC008249, U91322, AI049837, Z00017, AI078621, AI035069, Z54334, Z68289, AC004034, AI031393,</p>
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HTAHN29	5819	923115	1 - 752	15 - 766	
HTAHQ22	5820	870831	1 - 275	15 - 289	
HTAHQ94	5821	839505	1 - 506	15 - 520	
HTAHR03	5822	922772	1 - 417	15 - 431	
HTAHR06	5823	934062	1 - 451	15 - 465	
HTAHS10	5824	963183	1 - 415	15 - 429	
HTAHS21	5825	960795	1 - 503	15 - 517	AA381575, and AC002528.
HTAHV04	5826	926747	1 - 435	15 - 449	AL572619, AL814836, AL686747, AW167851, AL202106, H86259, H85857, AA059020, AL096537, and AC005757.
HTAIB11	5827	965835	1 - 246	15 - 260	
HTAIC05	5828	930951	1 - 806	15 - 820	
					W87576, AA694098, W87434, AL056858, AA676994, AA677352, R16832, AC006312, AF165926, and AJ006997.
HTAID04	5829	926541	1 - 389	15 - 403	AA381501.
HTAIF70	5830	974062	1 - 476	15 - 490	
HTAIF78	5831	870785	1 - 727	15 - 741	AA251602, and AA381714.
HTAIK75	5832	870815	1 - 458	15 - 472	
HTAIQ39	5833	921729	1 - 418	15 - 432	
HTAIQ75	5834	870804	1 - 401	15 - 415	AC002400.
HTAIR54	5835	870814	1 - 712	15 - 726	H67194, and H67182.
HTAIL80	5836	968234	1 - 448	15 - 462	AC006372.
HTAIV79	5837	870874	1 - 505	15 - 519	
HTAIG31	5838	926731	1 - 439	15 - 453	
HTAJG65	5839	975260	1 - 452	15 - 466	
HTAJJ01	5840	914899	1 - 244	15 - 258	
HTAJN08	5841	958057	1 - 146	15 - 160	R46278, R74243, and AA203640.
HTAJR80	5842	975309	1 - 484	15 - 498	D51221, D59467, AA305578, AA809122, T11417, D59317, D50979, D60010, D59551, D80164,

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HTBAA95	5843	715044	1 - 466	15 - 480	AA382185, AF137030, and AF137031.
HTDAA07	5844	870742	1 - 395	15 - 409	
HTDAC37	5845	575842	1 - 438	15 - 452	D29028.
HTDAC77	5846	772242	1 - 486	15 - 500	
HTDAE25	5847	714359	1 - 794	15 - 808	N95037, A1022474, A1248271, AA975181, A1149108, A1093311, A1209125, AW090147, A1563932, AA464704, AA888260, A1817984, N66677, A1372916, AA194950, A1613488, AA988360, AW009662, AW197169, N70667, A1139484, AA593023, A1291223, AA918512, A1290011, AW275959, A1207031, A1147360, A1223112, AW168560, AA838742, A1700254, AA677736, AA025125, A1127821, A1199468, A1678965, AA706984, A1142366, AA648206, A1290254, AA705483, AA195162, T48016, AA662480, W94302, W79125, AA535223, AA649121, Z19423, A1887125, C00301, AA423808, A1624775, AA721770, H96745, AW021909, AA653395, AA808520, A1264085, R06999, AA419007, A1636591, H30126, AA203331, AA203130, A1371762, F37305, AA025205, Z25040, AL050096, and AF083255.
HTDAE43	5848	889311	1 - 466	15 - 480	AA478790, AA454942, AA291948, AW237540, N91112, A1494473, A1911509, A1439197, AA343020, T82251, T80658, A1652561, A1952736, AA478908, AC005613, AL049875, AC005318, AL132800, AL031000, AC005406, AC007966, AC004024, AL022727, AC007283, AB026899, AP000500, U65960, AC006313, Z83827, AC004817, AC006017, AL022401, AC004072, AL133321, AC008040, AC007068, D84394, AL121576, AP000509, AC006048, AC005296, AC002464, AL096801, AC003685, AJ003147, Z73965, AC006023, AC005598, AL023581, AC006371, AP000350, AC006001, M19364, AB002059, A22491, AC002472, AC007664, AC004869, AC006040, AF114156, K02402, AP000476, AL033403, AC004205,

HTDAF65	5849	927842	1 - 805	15 - 819	AC004210, AC008173, and AC007690.
HTDAG18	5850	975317	1 - 531	15 - 545	AA809786.
HTDAI42	5851	576013	1 - 168	15 - 182	AW450512.
HTGAL23	5852	574100	1 - 581	15 - 595	AJ243213.
HTGAM06	5853	935798	1 - 313	15 - 327	AA081775, and AL034553.
HTGAM26	5854	682040	1 - 268	15 - 282	
HTGAM42	5855	578797	1 - 286	15 - 300	AC004242.
HTGAN20	5856	578804	1 - 377	15 - 391	
HTGAO17	5857	876650	1 - 556	15 - 570	AA306797, AA315885, AA278590, and Z56144.
HTGAR40	5858	664270	1 - 285	15 - 299	AL109758.
HTGAR72	5859	574681	1 - 287	15 - 301	
HTGAS32	5860	835534	1 - 446	15 - 460	AA669142, and Z82206.
HTGAT93	5861	791508	1 - 304	15 - 318	
HTGAV59	5862	870798	1 - 616	15 - 630	R86892, AA628423, R41612, AI707842, AI055957, H05210, AA991859, AA470669, AA001858, AA031622, AI609279, AA974128, AI434212, AI244762, AI093589, AW169863, AA975419, AI800762, AA659915, N62291, AA044282, AI342963, AA026158, AA994340, AI375034, AA099832, AA149174, AI608984, R64147, R64156, AA136703, R65842, H86821, H87284, AI302922, AA031703, AI631329, AI824240, H83826, AI801241, W57570, AA149173, AA026157, AI744430, AA777668, and AC004549.
HTGAW37	5863	752829	1 - 402	15 - 416	
HTGAW75	5864	572404	1 - 410	15 - 424	
HTGAX19	5865	782877	1 - 587	15 - 601	H93152, H75866, AI057455, AA483942, AI432270, AL031687, AL049729, and AC006141.
HTGAY36	5866	923716	1 - 306	15 - 320	
HTGAY79	5867	775299	1 - 359	15 - 373	
HTGAZ62	5868	870414	1 - 332	15 - 346	
HTGAZ79	5869	584717	1 - 459	15 - 473	HS2047, and AA354013.
HTGBE53	5870	685648	1 - 320	15 - 334	
HTGBE76	5871	954599	1 - 633	15 - 647	AI476793, AI672290, AW138734, AA779654, AA879458, AI681663, AI697960, AI914080, AI809954, AA830773, AI689893, AA829778, AA427944, AA430133, AI292003, AW006004, AI802022, AI830817, AA760755, AA911826, AI972329, AW024985, AI218258, AI262623, AI147166, AA775696, AI307175, AA432096, AI318373, AW135791, AI291999, AI262625, AI468220, AI261474, AI680656, AW303999, AI697519, AI932284, AI932319, AI301269, AW015392, AI351005, AI459293, AA057484, AI478943, AI264521, AI146596, AW131688, R94942, AI084799, AA434562, AI798178, AW207495, AI796893, AI144302, AI418524, AI690206, AI810352, AW136151, AI927475, W23511, AA912757, AA807192, AA906625,

HTGBF16	5872	572499	1 - 435	15 - 449	AW242625, AI272736, AA862266, and AI079720.
HTGBF62	5873	753962	1 - 286	15 - 300	T85954, T86652, and T85542.
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HTGBF90	5874	786611	1 - 359	15 - 373	AA806299, AA829999, AA831691, AA321371, and AL096808.
HTGBG55	5875	966903	1 - 373	15 - 387	AA923782.
HTGBH18	5876	579103	1 - 344	15 - 358	
HTGBH55	5877	735751	1 - 583	15 - 597	128792.
HTGBI93	5878	787110	1 - 207	15 - 221	AC003663, AC003070, AL022726, AC005104, and AC006251.
HTGBJ55	5879	579005	1 - 398	15 - 412	AJ132917, AF158180, AF031075, AF031078, and AF030876.
HTGBK66	5880	772325	1 - 327	15 - 341	
HTGBL34	5881	572643	1 - 308	15 - 322	AA361858.

HTGBL72	5882	576641	1 - 357	15 - 371	
HTGBN09	5883	506500	1 - 335	15 - 349	
HTGBN27	5884	683557	1 - 208	15 - 222	
HTGBN57	5885	578806	1 - 257	15 - 271	
HTGBP65	5886	870406	1 - 227	15 - 241	Z84479.
HTGBR20	5887	669797	1 - 609	15 - 623	AW408268.
HTGBR93	5888	973978	1 - 635	15 - 649	D80166, D80212, D59619, D80210, D80240, D59502, D80219, D81030, D51423, D51799, C14389, D80253, D80195, D58283, D59859, D80022, D80188, AA305409, D80391, D80043, D80227, D57483, D80193, D80196, C15076, D80045, D59889, C14331, D59927, D59610, D80164, D80269, D59787, D59467, D59275, D80038, D80366, D80241, D50979, C14429, D50995, T03269, D80024, D80378, D80134, D51060, C14014, D80248, C75259, AW178893, D80949, D80251, D51022, D81026, AW179328, AA305578, AW378532, AW177440, D51250, AA514186, AA514188, D80133, AW178775, F13647, AW369651, D80439, D80064, D80168, D58253, C14298, D81111, D51079, D80522, AW360811, D80268, AW352158, C14227, D59695, AW178762, C05695, AW375405, D80157, Z21582, D80132, AW177501, D51759, AI910186, AW177511, AW377671, AW366296, AW360844, D59373, AW375406, AW378534, D80247, C14407, AW179332, AW377672, AW179023, AW178905, AW177731, AI905856, AW360834, AW352117, D80302, AW176467, AW179020, AW378540, AW377676, AW352171, AW178906, AW352170, AW178907, AW178908, AW179019, AW179024, D51103, AW177505, AW177722, AW360841, AW178909, AW177456, AW179004, AW179329, D59653, AW178980, AW177733, AW378528, AW178754, AW179018, D51097, D58246, AW179009, AW179012, AW178914, AW178911, T11417, AW378525, AW352174, AW367967, T48593, AI557751, C06015, AW178983, AW177728, AW178774, AW378543, AW352163, D45260, D59503, AW178781, AW177723, C14077, C03092, D58101, H67854, D80228, AW352120, AW178986, AI557774, AW367950, AI535850, H67866, AA809122, D59627, AI525917, AI525923, D51213, D80258, D51221, AW177734, T03116, D59317, C14344, AW378533, D80014, D59474, C14973, AI525920, AA514184, C14957, D60010, C14046, AI535686, D59551, AI525235, AI525912, D60214, AI525215, AI525227, AW177508, T03048, AW177497, D50981, AI525242, AA285331, AW378542, AI525925, AI525222, D51053, C05763, AW378539, D45273, C16955, Z33452, T02974, C13958, Z30160, AW360855, AI525237, H67858, C04682, A62298, A84916, A62300, AJ132110, AR018138, A67220, X67155, Y17188, D89785, A78862, AR008278, D26022, A25909, AF038696, D34614, AB028859, D88547, Y12724, I82448, X82626, AR025207, A82595, AR060385, AB002449, A94995, I50126, I50132, I50128, I50133, AB012117, AR008443, AR060138, X68127, AR066488, AR016514, A45456, A26615, AR052274, A43192, A43190, A85396, AR066482, AR038669, A44171, I14842, Y09669, A85477, I19525, A86792, AR066487, A30438, X93549, AR054175, D50010, Y17187, AR066490, A63261, AR008277, AR008281, I18367, AR008408, AR062872, A70867, AR016691, AR016690, U46128, A64136, A68321.

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HTGBS02	5889	920445	1 - 355	15 - 369		
HTGBY51	5890	506502	1 - 263	15 - 277		
HTGCD10	5891	964884	1 - 275	15 - 289		
HTGCD85	5892	579028	1 - 313	15 - 327		AI469599, AC005682, AL049760, AC005484, AP000475, AL121652, AC005777, AC006530, AC004520, AP000269, AF029308, AP000103, Z83840, AL050317, AC005015, AL109758, AC006052, AP000049, AC005996, AP000311, AC005318, AC007308, AC005901, and AL121595.
HTGCF49	5893	723090	1 - 545	15 - 559		AI017212, AL042735, AB018295, and AF155097.
HTGCG89	5894	894005	1 - 413	15 - 427		
HTGCH58	5895	909849	1 - 1259	15 - 1273		AA746372, AW293387, AA804512, AI124624, N29013, AW082724, AA737473, AI018013, AW298470, AI304868, AI348442, AA776579, AW298354, AA748461, N20641, AI280305, AA923469, R50142, AA837153, AA921954, AA827804, and Z60950.
HTGCI80	5896	588166	1 - 474	15 - 488		H53442, and AA249120.
HTGCI54	5897	571389	1 - 502	15 - 516		
HTGCL06	5898	935789	1 - 367	15 - 381		AL040359.
HTGCL40	5899	578774	1 - 225	15 - 239		
HTGCL94	5900	747573	1 - 242	15 - 256		
HTGCM13	5901	913673	1 - 326	15 - 340		
HTGCM90	5902	678122	1 - 472	15 - 486		Z85986.
HTGCM92	5903	578768	1 - 296	15 - 310		AA381762, AC007193, AL022318, AL022316, AC005412, Z98884, AC006487, AC005914, AL009181, AC005212, AP000557, Z93241, AF064861, AP000116, AC005746, AC007055, AL022323, AC006121, AC005018, AC007308, AC002400, Z83838, AC005736, AC008040, AC004148, AC002470, AC007536, Z99496, AC007226, AC005370, AL050307, Z83826, AL050341, AC005328, AL008583, AC007785, AL031123, AC005754, AC000353, AC002369, Z98044, Z97630, AC002128, AC007263, AP000555, AL031311, AC004673, AL049709, U95742, U78027, Z96074, AC009516, AC003007, AC005011, AL020997, and AC007216.
HTGCP76	5904	770143	1 - 299	15 - 313		AA350028, AI561255, AA654998, AI707788, AL042420, AA364724, AW440810, AA747480, AA747276, T07778, AL080274, AL031666, AL096701, AC008064, AL049874, Z84474, AF055066, AC005765, AC005237, AC007955, AL080243, AL049832, Z75894, Z75895, AP000056, AP000171, AP000124, AC005004, AP000330, AC005412, AL022322, AC007130, AL031289, AL009179, AC005940, AC002418, AC005258, U38670, U38668, AL031255, AC006071, AC012599, AC004966, AL133485, AC000353, AC004386, and AC004821.
HTGCQ15	5905	880293	1 - 377	15 - 391		
HTGCQ19	5906	974433	1 - 491	15 - 505		

HTGCS20	5907	933260	1 - 520	15 - 534	
HTGCS81	5908	921650	1 - 232	15 - 246	AI754576, AW195474, AA846702, and AC004889.
HTGCT54	5909	960912	1 - 291	15 - 305	AA459192, R08444, T85564, T84409, and AA361578.
HTGCT57	5910	496297	1 - 380	15 - 394	AL049563.
HTGCU25	5911	679403	1 - 267	15 - 281	
HTGCU28	5912	713353	1 - 242	15 - 256	
HTGDG28	5913	735002	1 - 397	15 - 411	
HTGDG63	5914	579127	1 - 392	15 - 406	
HTGDG70	5915	757191	1 - 395	15 - 409	
HTGDG75	5916	769010	1 - 135	15 - 149	AL049758.
HTGDM56	5917	733405	1 - 404	15 - 418	AL020997.
HTGDM65	5918	967158	1 - 426	15 - 440	
HTGDS63	5919	958651	1 - 363	15 - 377	
HTGDS88	5920	659766	1 - 550	15 - 564	
HTGDT91	5921	974962	1 - 626	15 - 640	
					AW375405, AA305409, AW177440, D80439, AW360811, AW366296, AW375406, AW179328, T03269, C14389, T48593, AW378534, AW179004, AW179332, D58283, AW179329, AW377672, AW179023, AW178905, D59859, D80022, C14331, D80166, AW177731, D80195, D80193, D59927, D59467, D51423, D59619, D80247, AW378528, D80210, AW178906, D51799, D80391, D80164, D59275, AW178762, D80240, D80253, D80043, D59787, D80227, D59502, AW378532, D80038, AW179019, AA305578, AW377676, AW352170, D45260, C06015, AW378533, A1525913, I50126, I50132, I50128, I50133, AR066488, X82626, AR025207, A84916, A45456, A67220, D89785, A62300, A62298, Y17188, AB028859, A82595, A78862, D34614, A94995, D26022, D88547, AJ132110, AR018138, AR008278, X67155, Y12724, AF058696, A25909, AR016514, D50010, AR060138, A26615, AR052274, AR008443, Y09669, AR060385, AB002449, AR066487, A43192, A43190, AR038669, A30438, D13509, AR060133, Y17187, AR008408, A63261, A70867, AR016691, AR016690, and U46128.
HTGDU57	5922	712249	1 - 568	15 - 582	AC004242.
HTGDV50	5923	708605	1 - 521	15 - 535	
HTGDW16	5924	661477	1 - 521	15 - 535	T90228, N59530, AL049869, AF031076, AF031078, AF030876, AP000347, AC002067, Z49154, AC006128, AF107885, Z85986, AL049793, and AP000346.
HTGDW40	5925	710759	1 - 580	15 - 594	
HTGDW96	5926	967030	1 - 1682	15 - 1696	A1354538, A1185915, AA9072656, AA928143, A1697438, A1091263, A1122948, AW182996, AA205969, A1432383, AW130757, A1086707, A1246246, AA610132, A1095234, AA602547, A1340088, AA992399, A1284151, AA946670, AA775430, H15150, A1081207, A1093901, AA935934, AA827098, AA706205, A1347104, A1369270, N70255, AW024457, A1140633, A1085317, AA909079, A1275007, A1025475, AA905290, A1379266, AA010063, AA872686,

AA948272, AI140722, AI266084, AI352580, AW081421, W04189, N69287, AI436354, AA501433, AA494361, N49879, AA827088, AA724446, AA832464, H56506, AI358609, R43705, H15210, H84120, H84119, AA694028, AA375219, R15221, AI907126, AI003836, AA369964, AA516079, W28121, R20249, R41658, AA206267, H09794, N34884, AI805667, AI934031, AA721176, AI094546, Z40832, AA353931, AI919536, AI328283, AI934162, AA035556, N49984, AA035045, AI572357, AI907128, AI907125, AW393494, AI340087, AW393499, AW301505, AW268302, AI349772, N94107, AI345587, AI345551, AI270183, AW079572, AL036403, AW268122, AI923989, AI698391, AI251963, AI336582, AI815855, AI684021, F37471, AI251221, AI564259, AL040243, AW072719, F27788, AL042745, AI345557, AL079963, AI318280, AI269862, AI635492, AI358701, AW051258, AI364788, AI537677, AW161579, AI582932, AI812015, AW118518, AW150578, AL045266, AL120853, AL036631, AW198075, AI570807, AL036361, AL041772, AI802542, AW160916, AI889189, AA449768, AI539028, AL039086, AI798456, AL037582, AL037602, AL121501, AW192687, AI525653, AI950892, AI564719, AI591420, AI932794, AW162194, AL036638, AI611738, AI619502, AI677796, AL045500, AI184903, AI491852, AL040241, AW026882, AW151136, AI922370, AI567940, AI929108, AI686906, AA291456, AW051088, AI433157, AI288305, AI702073, AI824576, AI452560, AI889376, AI475371, AW080746, AI524671, AI921248, AW080402, AI632408, AI478123, AI433976, AI633125, AI635067, AI567769, AI620284, AI915291, AI913452, AI950664, N80094, AI554821, AL045774, AL042627, AI539771, AI468872, AI521012, AI500659, AI815232, AI648663, AI500523, AL119863, AI624548, AI520809, AW117746, AI284517, AL036901, AI500706, AI494201, AI491776, AI445237, AW151138, AL110306, AI926790, AW087445, AI538342, AI521560, AI500662, AI284509, AI889168, AI866573, AI633493, AI434256, AL121328, AL120300, R36271, AI888661, AW129659, AI284513, AI888118, AL038605, AI445992, AW020693, AI554245, AI440252, AA225339, AI306613, AI433037, AI174394, AI627988, AI909697, AI281772, AA640779, I48979, I48978, AF113694, I89947, AL050277, AF113019, AF090934, Y11587, AF090901, AL117457, AF177401, A08910, A08909, A08913, AL050393, AF111851, AL133560, U35846, AF113690, AF090903, A08916, S78214, AF067728, AL122050, AF183393, AL133072, AL049283, AF087943, AF153205, Z82022, AF090900, AL050149, AL096744, AF146568, AF078844, I89931, AL133016, AF057300, AF057299, Y16645, AL137550, I49625, AL122049, AF097996, U67958, I33392, AF113699, L31396, S68736, L31397, X84990, AL110280, A65341, A77033, A77035, AF011849, AF017152, AL117435, AL122121, AF106862, X72889, AF113677, AL137557, A03736, AL049314, E07108, AL133075, AF125949, U42766, AL133104, X70685, AL110196, AL133080, AL133640, AL137271, AL137538, AL122098, AL122110, AF017437, A93350, AL050116, AF158248, AL050138, AF118070, Y11254, AJ242859, AL133557, AF026816, AL137521, A58524, A58523, X82434, AJ000937, AR000496, U39656, AF090896, AI2297, AL110222, AF090943, AL137560, AF113691,				
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HTGDX29	5927	883517	1 - 450	15 - 464	AL110221, AF125948, AL137463, AF118064, AL049938, AL049430, AL080137, AL117394, AL080124, AJ012755, AR011880, AF091084, AF113013, Y09972, AL122093, AL133113, AF111112, AF104032, AL133606, AF118094, AL133093, AL050024, AL050172, AL117583, A08912, AL133565, AF079765, U91329, AF119337, AL049466, E07361, AL080159, E02349, AL117460, AL137533, AL050146, AL133014, AL049382, AL137459, AL117585, AF026124, AL050108, U80742, AB019565, AL080060, AL110225, X65873, E15569, I42402, AJ238278, X63574, I03321, E03348, AL049452, AF113689, U00763, E05822, AL133665, AR059958, AL133077, AL133568, X93495, AL122123, AF113676, AL137292, Z37987, I09360, U72620, AR038854, AL049464, AF185576, AL137527, I26207, X96540, AL137476, Y14314, AF061943, U58996, AL137648, AL080127, I00734, AL137480, E08263, E08264, E00617, E00717, E00778, AL117440, S61953, AL137556, AF106657, AF003737, E06743, AL049300, I09499, X98834, AL133067, AF126247, A45787, AF008439, AR038969, E04233, AF162270, AF079763, U96683, A07647, AR020905, AL080074, Z72491, A93016, AL110197, AF090886, AL137526, AF081197, AF106827, AF210052, AL137429, AJ006417, AL023657, L30117, Y07905, U49908, M30514, AL133098, AL122118, AR013797, AL137283, X87582, AF061795, AF151685, AF067790, AL137488, AR034830, I96214, A90832, E08631, U68387, U78525, AF139986, AF061573, AF081195, AF100931, AL137478, AL137523, E02221, D83032, Y10080, E12747, L19437, and AA778772.
	5928	725254	1 - 383	15 - 397	AL1793116, AF1793143, AA976208, AF1703191, AF1733188, AF1733210, AA210747, AA367325, AA478680, AF048686, and AJ006068.
HTGED32	5929	698776	1 - 760	15 - 774	H62923, AL434696, AA550959, AA502110, AA984920, AA564925, AL022476, AF111168, X90927, X90926, M33388, X58467, X58468, AC008273, AP000556, AP000557, AP000553, AC007899, AC002040, AL049839, AC005089, AC002369, AC004659, AC007666, AC009501, AL049631, AC007227, AL021878, Z98946, AC002470, AC005343, Z93023, AC002994, AL023803, AL034423, AC004674, AL022336, AL031767, AL121769, AL049760, AL031311, AL050307, AP000884, AC006160, AC007055, AL021977, AC008154, AC007065, AC006251, AC010205, AC004953, AF187320, AC005512, AC005049, AL022326, AC005695, Z95114, AC005777, AP000514, AL021578, AC005747, AC007686, AP000096, AP000240, AC009247, AL109963, AP000694, Z97989, AC007371, Z98742, AL022323, AC000091, Z74739, AC006080, AL035661, U91323, AC005358, AC018725, AC005971, AL031388, AC005940, AP000952, AL096701, AC002400, AC006312, AC004841, AB023051, AC005102, AC005535, AL035403, AL031432, AC004804, and AC004821.
	5930	729223	1 - 449	15 - 463	AA301680, AL1819419, AA694596, H96248, AA720531, AL640717, AA825809, AA639040, AA947352, I168210, AL1520925, AA225495, AA056619, AA363890, T99365, R00693, AA084320, AW129188, AA340581, AA218684, AA745507, AA862243, AL002950, AA835702, AL03560241,
HTGED59	5931	711417	1 - 327	15 - 341	

HTGED69	5932	754761	1 - 178	15 - 192	H05066, N26159, AA171400, H24331, AW338376, A1890297, H23238, AA211925, A1690520, N71264, A1926126, AW085626, H97551, AA484671, AA744172, AW022796, AA744278, AA601343, A1805699, T26553, AA598579, AA772493, N24013, AA730530, AA526339, AA602579, AA372646, T57615, AA262079, A1623505, U69568, AC007011, AC005083, AC005409, AC003041, L78833, AC005534, AC005225, AL031666, AL050341, AC004067, AC008123, AC005837, AC000379, AC005800, AP000958, AC002312, U85195, AE000658, AC007066, AC004810, AC004525, Z95703, Z73495, AC004168, AF111168, AC004816, AC005324, AC006474, AC006475, AF064859, AP000349, AC007015, Z97876, AL078462, AL035455, AL035684, AL078476, AC007050, AC002369, AC002302, AL034420, Z93928, AC005913, AC004584, AC006039, AL020997, AC006966, AL135960, AJ131016, AC004941, AC002070, AC002991, Z93023, AC004196, AF207550, AC007695, AC007541, AL022146, AC007934, AC004634, AC005049, Z82201, AC005527, AC005512, AC006011, AC005041, AC005914, AC008119, AC008115, Z82249, AC004531, AF113129, AL080243, AL139054, AC003014, AC004543, AC005082, AC006071, AC002038, AL008639, AC007542, AC007877, AL031286, Z95114, AF217403, AC005539, AL049821, AC002524, Z98946, AC005696, AC000052, AC004019, AC005372, AC005529, AF067844, AP000510, AC004974, AC005821, AC005531, AL135745, AP000966, AC005048, AL109628, AL049765, and AL133353.
HTGEF77	5933	771825	1 - 486	15 - 500	AC005971.
HTGEF78	5934	769764	1 - 154	15 - 168	
HTGEG76	5935	769765	1 - 418	15 - 432	AC009044.
HTGEL46	5936	685425	1 - 445	15 - 459	
HTGEL54	5937	728905	1 - 400	15 - 414	N71581, N73880, N99573, A1283842, AA928413, AC007993, AC006312, AC004678, AF030453, AC005088, AC004983, AP000353, AL132992, and AC003010.
HTGEL55	5938	684871	1 - 329	15 - 343	
HTGEO46	5939	674409	1 - 495	15 - 509	
HTGEO86	5940	703733	1 - 409	15 - 423	
HTGEO94	5941	723097	1 - 629	15 - 643	AC004918.
HTGEP20	5942	799683	1 - 388	15 - 402	H65476, AA496014, AA461080, AA229933, H65475, AC002310, AC005071, AC006948, AC004801, Z79997, and AL078611.
HTGEP92	5943	789681	1 - 785	15 - 799	H40324, AA738283, A1268731, A1298787, N54397, AA642809, W24312, AA837771, AA701131, F33126, F02342, AA640310, AA741403, AA747757, A1370170, AA229422, AA340226, A1434037, AA503018, AA177013, AA740571, A1915081, AA176257, AL119563, AW151761, AA605243, AA135360, AA365893, N64587, H79586, A1904445, R83068, AW302670, A1927275, AW388886, H43183, N52501, A1080732, AA582350, AA748826, AA629679, AA579281, AA133332, AW407632, AL042667, AL042670, A1349130, AA565534, AA587215, A1858272, AA578066, AA525253, AC006312, AL022322, U29119, AL109963, AC005071, AC007016,

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HTGEQ11	5944	967047	1 - 380	15 - 394	
HTGEQ34	5945	703443	1 - 416	15 - 430	
HTGEQ40	5946	711181	1 - 120	15 - 134	
HTGEQ61	5947	741828	1 - 395	15 - 409	AI300823, AA812684, AC004477, AF053356, AL024507, AC005736, AC006942, AC004605, and AL049569.
HTGEQ68	5948	753031	1 - 432	15 - 446	
HTGER72	5949	683469	1 - 380	15 - 394	
HTGET46	5950	719048	1 - 332	15 - 346	AW074332, AA780818, AA688303, AI668951, AI420747, AA640305, AI174703, AL044438, AA569565, AA601333, AI270280, T96028, AI613459, AA631434, AI114851, AA568303, AA568311, AW275640, AL047685, AA493546, AL048651, AI180056, AW452106, AI275380, AA669225, AI150693, AA846944, C14144, AL079508, AA548142, M85807, H59296, AI918550,

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					Z98751.
HTGET82	5951	778928	1 - 558	15 - 572	
HTGEU06	5952	935470	1 - 425	15 - 439	
HTGFC20	5953	668924	1 - 429	15 - 443	
HTGFC70	5954	757193	1 - 351	15 - 365	N86992, AI241637, AA483583, AA830169, AA506744, AI021990, AA332991, AI283064, AA807583, AA229218, AA652422, AA229121, AA229188, N73511, AA904211, T29897, F25301, AA679061, AI207491, AI218171, AW103753, Z25411, AI079901, AI048404, AI683846, R73803, AI683385, AA847570, AA584564, AI627868, AI744175, AA657373, AA513141, AA513181, AA650053, AA364869, W04322, AA468974, AA230025, AA468371, AA224966, AA228368, AA055307, AA224889, AA468505, AA228269, AA641112, AA224816, AI701379, AA467943, AI669514, AA524616, AA614254, T40617, AA714930, AW410116, AW390309, AA448221, AA121919, AW008093, AA363260, AA745524, AA744001, AA744272, AA744455, AA302628, AI751191, AA745588, AA743966, AL037929, AL037932, AI037923, AI923135, AA594510, AI660629, AI417675, AA877143, AI738813, AI619953, AA780046, AI538779, AA196824, AA988666, AC005884, Z94044, AL035451, AC003956, AC005747, AC009241, Z82176, AC010849, AC002365, Z84814, AP000230, AP000144, AL109967, AF001549, U50871, AP000035, Z98036, AC004686, D84296, AP000150, D83253, AL022147, AP000009, Z94161, AF157623, AC005105, AD000684, AC002128, AP000261, AP000100, AC006478, AC004812, Z97832, AF165147, AC007263, AC007543, AC004451, AP000350, AC005808, AC002068,

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HTGFK43	5955	669222	1 - 310	15 - 324	AL027665.
HTGFN46	5956	974106	1 - 487	15 - 501	
HTGFO51	5957	866957	1 - 402	15 - 416	
HTGFO75	5958	767032	1 - 267	15 - 281	
HTGFP07	5959	952555	1 - 329	15 - 343	AA564583, and AA583827.
HTGFP49	5960	722626	1 - 227	15 - 241	
HTGFP59	5961	738974	1 - 150	15 - 164	AL024508.
HTGFP62	5962	742908	1 - 519	15 - 533	
HTGFR80	5963	810302	1 - 377	15 - 391	AW392539, T08628, R19000, W40396, T07400, and Z98043.
HTGFW29	5964	690276	1 - 235	15 - 249	AC009304.
HTGFW63	5965	744678	1 - 711	15 - 725	AI637766, AA203538, AI341753, W35269, W23591, and AL137383.
HTGFX16	5966	656777	1 - 323	15 - 337	AA351139.
HTGFX82	5967	779055	1 - 341	15 - 355	
HTGFZ03	5968	923443	1 - 262	15 - 276	AI870366.
HTGFZ35	5969	707730	1 - 297	15 - 311	
HTGFZ38	5970	735683	1 - 331	15 - 345	
HTGGL08	5971	958583	1 - 463	15 - 477	
HTGGL11	5972	966328	1 - 318	15 - 332	
HTGGL23	5973	974590	1 - 435	15 - 449	AC002359.
HTGGL32	5974	698714	1 - 412	15 - 426	AA252763, AA558697, H59023, AI824562, AL043721, AW338086, AI205126, AA059154, AI251002, H64777, AI469172, AA605274, AA584581, AA745410, F34558, AA318652, AI648558, AL079804, AI339850, AW193295, AA098922, AI284640, AI286356, N27353, AA340747, AA507547, AI469796, AI818620, AA515224, AI623898, AI890923, AA594145, AW129001, AA317170, F37169, AL039958, AI003734, AW166815, AA747472, AI919265, F27015, AI962050, AW438643, AW029038, M62249, N71724, AI053672, AA916039, AI250019, AA515051, AA587604, AA077817, AI281881, AI565245, AI144055, AW440836, F36273, AI564185, AI929531, H88666, AA491762, AA572975, AL038785, AI334443, AI951863, AI918421, AW162049, AI355224, AI904894, AA652057, F29989, AI537955, AA095511.

AA115968, AL043756, AI500454, AA649642, AW236342, AW088058, AW193432, AW338869, T06556, AA598586, AI282336, AA862173, AI367975, F18974, AI917271, AA515435, AW406162, AI049722, AA483034, AI350211, F36373, AW408717, AA229785, AW272641, AI471481, AI133636, AI358571, AW261871, AI567674, H64560, AI732186, AI697208, AI133164, AI674873, AA713815, AI613280, AW008317, AA443390, AW151884, AI120674, AI688846, AI307201, AI921296, AA886584, AA917683, AW406447, AA654627, AA745582, F29702, AA054106, AI679782, AA557879, AI177061, AI375710, AI281903, AA826303, AA744031, AW074398, AA743980, AI608626, AA569187, AA284179, AA932099, R13151, AI287651, AI358229, AA629419, H78195, AA100372, AA347927, AI431303, AI282832, AA744074, AA340003, F19258, AA745355, AA744088, AW406755, AW193265, AW086257, AL041690, AW084253, AI365988, AL037683, F25203, AW440976, AL046205, AW339687, AW419262, H72688, AA502155, AI446464, AL118947, AI635272, AA099892, AI110770, AW270270, AA805373, AI471462, AA113186, AA125788, H86264, AW162489, T40077, AI370878, AI281465, AI148277, AI279165, AW276827, AA350859, AI148446, AI049634, AI150670, AI252554, AI286264, AL046409, AI341664, W60516, AI802526, AI312149, W95976, F27842, AL120687, W95841, AL038474, AL040913, AL042753, F36404, AF150152, AA683031, AI053429, AA557686, AA224091, AA470985, AI659826, AA659083, H37777, AW102955, AI379719, AA021552, AI281807, AI469003, AA581146, AI540107, T07451, AA229444, AI749284, N63352, AW238542, R91994, F24284, AW080004, T06828, H00934, T07287, T08638, AA634146, AA578918, AI343063, AA780929, AA587256, AI888365, AC007099, AL021332, AC005901, AP000459, Z68872, X75335, AF147277, AC004966, AC004470, AC007685, AC008044, AL008728, AC003971, AL049745, AC004057, AC007283, AC005924, Z95114, AC004984, AL031311, S75337, AP000045, AP000113, AL031662, Z92845, AC002982, AC000027, D87014, AC004088, Z97630, AL080276, AC012331, AL121694, AC006045, U14702, AC007429, AP000402, AL031681, AC009223, AC003048, AF015163, AC005391, AC004996, AC005194, AP000553, AC009516, U02048, AC005739, AC008975, AJ239318, AC005723, AC006013, AC005099, U18390, AL096775, AL049698, AP001065, U18399, AC006476, X67277, AC004785, AL008716, AP000349, L10641, AC006019, AC007051, AC007919, M87919, AC005598, AL049691, AC000024, D87011, D87009, AC006150, AC006352, AC002509, S70694, AC005144, AL035681, AC000085, AC004999, AC005722, Z97054, Z69921, AC007450, AC002059, AP000496, Z54146, AL049764, AC007292, AC004221, AC004637, Z98752, AC005365, AC005057, AP000017, AP000158, AC005911, AC002119, AC005846, AP001068, AC006458, Z82203, AC006965, AC004099, AL023806, AL033381, AC006512, AC005531, AC006948, AC007514, U47924, AC005406, AJ011930, U14695, U14700, U14701, U14703, U14705, AJ010230, U14691, U14685, U14686, U14687, U14688, U14689, U14699, U14710, AC005759, AC006127, AC004475, AC000041, AP000011, AP000152, AF207550, AC000025, AL022328, AL079340, AC005070, AL021453, AP000503, AF134726, AC004025, AC005902,				
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HTGGL43	5975	714932	1 - 204	15 - 218	
HTGGL79	5976	774657	1 - 254	15 - 268	AA826138.
HTGGM20	5977	669083	1 - 586	15 - 600	AW083689.
HTGGN13	5978	869239	1 - 580	15 - 594	AI557095, and AL136295.
HTGGN92	5979	927051	1 - 345	15 - 359	AL021453.
HTHAA47	5980	503638	1 - 421	15 - 435	AA383871.
HTHBA07	5981	954426	1 - 190	15 - 204	AA383894.
HTHBA18	5982	502818	1 - 115	15 - 129	
HTHBA68	5983	915256	1 - 600	15 - 614	AA383725.
HTHBC31	5984	578568	1 - 456	15 - 470	AA383947.
HTHBC37	5985	502935	1 - 246	15 - 260	AA383950, and AA383958.
HTHBC67	5986	964562	1 - 806	15 - 820	AW367259, and AB029039.
HTHBK65	5987	526716	1 - 119	15 - 133	
HTHBL65	5988	921965	1 - 427	15 - 441	W76016, and AF190465.
HTHBO09	5989	531115	1 - 231	15 - 245	AP000701.
HTHBQ94	5990	529671	1 - 317	15 - 331	
HTHBU75	5991	557957	1 - 121	15 - 135	
HTHBW69	5992	757741	1 - 233	15 - 247	
HTHBY64	5993	712474	1 - 480	15 - 494	AC000073, and AC000092.
HTHCA17	5994	572407	1 - 284	15 - 298	
HTHCA75	5995	712649	1 - 1007	15 - 1021	AA203124, AA780042, AA215401, AF048727, AC002086, AC002385, AC004835, Z92545, AC004690, AL050337, AC004087, and AL024493.
HTHCB68	5996	660309	1 - 345	15 - 359	AF132607, and AB006626.

HTHCB83	5997	578858	1 - 309	15 - 323	
HTHCC54	5998	578877	1 - 328	15 - 342	
HTHCD17	5999	664274	1 - 324	15 - 338	<p>AI219546, AA669108, AA812176, T64527, AI811076, AA658101, AA452879, AI537814, N55560, AI261932, AI863180, AI270092, AW197990, AI801031, AI540367, AA987277, AA632493, AA632484, AI659402, AA426571, AA719317, AI248494, AI040524, AA602233, AI718218, AI707565, AI183878, AI279229, AI752815, N71340, N71390, AI190467, AI459213, AA347735, AA317898, AI133804, N55012, AA658540, AI000114, W24602, AW197508, AA484366, H65476, H65475, T40298, AA496014, AA767864, AI573180, R92296, AA486859, AA461080, AI065059, AI35433, N34481, AA287259, H72049, H73336, AA584675, AA485323, AI092461, Z98751, AC000057, AF121781, AI031390, AI049776, AC016026, U91323, AP000518, AI031848, AC005899, AI022323, AC007228, AC005295, AC005800, AC007216, AC002312, AI035089, AC002511, Z84466, AC005257, AC002126, AI033504, AC002054, AI096791, AC007845, AC007878, AC005399, U95742, AC000379, AP000032, AI034429, AC005512, AC006211, AC022517, AI008721, AC003036, AC006057, AC002549, AC009399, AC002301, AP000553, AC007201, AC009516, AC004797, Z54147, AC009363, AC007114, AC006946, AC006441, AC004590, AI022721, AC008064, AC005519, AF002993, AC002472, Z86090, AI079342, AC009501, AC007664, AC004813, AC007546, AC005529, AC008018, AC008124, AC005520, AC005225, AC002563, AC006953, AF050154, AC002996, L78833, AI031985, Y17293, AC005362, U91326, AC002544, AC007182, AF196971, Z75888, AC004167, AC002425, AI133485, AC004882, AC003109, AC007637, AC000068, AI033381, AC007786, M19364, AI021154, AI031670, Z85987, AC008928, AC003071, AC004084, AC005015, Z97053, AI121825, Z93017, AC004531, AC002470, AB017335, Z54334, AC004985, AI122021, AI049540, AI109952, AC005233, AI022067, AC005368, AC016025, AC004079, Z75887, Z83853, Z94802, AI049553, AI132777, Z98941, AC006430, U91321, AR060472, AI022336, AC004453, AI109627, AC005482, AC003982, AC005694, M10065, AC008101, AC002073, AC004678, AI021391, AF038458, Z82184, AF000270, AC004491, AI009181, AC000026, AC003964, AC003012, AC006450, AI049712, Z79997, AP000514, AI035413, Y18000, AI121653, AJ006216, AC002990, AC004966, AI133500, AC004104, AC002059, AC003010, AC000086, Z97630, AP000167, AP000052, AC003666, AC007792, AI008718, AC004149, AC002565, AC004534, AC005803, and AC007687.</p>
HTHCD91	6000	973272	1 - 589	15 - 603	
HTHCG11	6001	967275	1 - 325	15 - 339	
HTHCG86	6002	578843	1 - 357	15 - 371	
HTHCH22	6003	630239	1 - 673	15 - 687	AA085994.
HTHCJ42	6004	578875	1 - 279	15 - 293	
HTHCK38	6005	579080	1 - 402	15 - 416	AF190465.
HTHCK42	6006	870355	1 - 403	15 - 417	

HTHCK91	6007	922873	1 - 330	15 - 344	AC011311, and AC005820.
HTHCM08	6008	959719	1 - 355	15 - 369	AA551975, Z98743, and AL079300.
HTHCM19	6009	842036	1 - 436	15 - 450	F23307, AA376358, A283938, AI537424, AW237905, AI543333, AA309634, AA610255, H67064, AI266359, AA302660, AI76049, AI798313, AA297698, AW243945, AA502991, H79586, F01222, AW008184, AI933716, AI800343, R83068, AA747757, AA476739, AA176328, H49372, AA299221, AA102737, AI431513, AI370170, AA230146, AI816537, AA356376, AA225358, AI815583, AA632556, AA484256, AI278130, AI628859, AA714073, AA368759, AA612727, T48829, AA831801, R33091, AI185394, F35684, AA834807, AA372311, AA487569, AI915081, AA713735, AI973173, T40629, AI300818, AW265688, AI310992, AA643829, AA604831, AL031733, AC005274, I34294, AC000120, AC004602, AC005828, AC005412, AC004884, AC004448, AC006509, AI117344, AL035685, AC004129, AI133246, AL022163, AC004895, AL050348, AC002468, AL080250, AC009501, AL031848, AL022726, AC004817, U47924, AF015262, AC005231, AJ229043, AL050343, AL021939, AF111168, AC002988, AF027390, AL022336, Z85987, AC005971, L78833, AC002996, AL078593, AC005527, AL133243, AC007955, AL021154, Z98941, AL049832, U63721, AL022721, AC005255, AF196779, AC005529, AC009247, AL022476, AL135744, AL031311, AC006536, AC004253, AL133448, AL023575, AC007676, AC006312, AP000115, Z83844, AC005914, AP000343, AC007934, AC007371, AC004000, AP000121, AC005911, AC007666, U85195, AC002395, AP000045, AP000113, AL133163, AL109628, AC002091, U62292, U89335, AE000658, AC004008, AC004106, AL121653, AF075074, AC000039, AL117258, AL023581, AC005366, AP000502, Z93241, Z98051, AC007050, AC002477, AP000305, U95742, AC008372, AL049795, AL035249, AC007363, AC005820, Z98946, Z98884, AD000833, AC005940, AB020868, AC002303, AC007216, AL023653, AC005755, AC015853, AC004125, Z95114, AF134726, AC006241, AL132712, AL031433, AC005520, Z86090, AC005800, AC003695, AP000501, AP000103, AP000047, AC008989, AP000512, AC005081, AC004874, AC007917, AC010077, AP000553, AL049843, AC008154, AC004962, AL031577, AC005003, AC005189, AP000359, AL031427, AL035658, AL033392, AC007225, AC004854, AC002126, AC005551, AC007308, AC004797, AL031588, AC007358, AC004887, AC002316, AL079295, AC005921, AC005859, AP000116, AP000509, AL035400, AL034379, AC004019, AC007324, AC002528, AL109801, AL110292, AF015416, AL035684, AC004984, AC004447, AL122020, AL049697, AL121658, AL022326, AP000694, AC002312, AC008044, AP000269, AC005476, AL049830, AC006254, AC002310, AC003071, AC002350, AL049856, AC006064, AC007444, AF196972, AF047825, AL032821, AC005089, AC007277, AC007688, AC006317, AC002119, AC004851, AC007283, AC005082, AL031662, AC005228, AC004659, AF126531, AL008726, AC006430, Z97030, AL031602, AL031295, AC007066, AC005786, AC005291, AF196969, AL109807, Z85986, AC005225, Z93930, AL035420, U82828, AC005190, AC006023, AP000032, AL049569,

HTHCM39	6010	578831	1 - 338			AC005746, AF001548, AC0000026, AC004985, AC005599, Z95115, AC007536, AP000350, AL049643, and AC002106.
HTHCN38	6011	578826	1 - 421		15 - 352	
HTHCO28	6012	705888	1 - 458		15 - 435	AC004918.
HTHCO92	6013	578757	1 - 71		15 - 472	
HTHCQ31	6014	926330	1 - 622		15 - 85	AA724718, and AW297844.
HTHCQ63	6015	959994	1 - 348		15 - 636	T80675, and AA836398.
HTHCR16	6016	578722	1 - 309		15 - 362	AP000172, AP000057, AP000125, and AP000330.
HTHCT64	6017	856477	1 - 407		15 - 323	
HTHCU43	6018	578849	1 - 285		15 - 421	
HTHCU85	6019	578851	1 - 300		15 - 299	AA758534.
HTHCV21	6020	671098	1 - 230		15 - 314	
HTHCV22	6021	419714	1 - 320		15 - 244	AA678938, AA703089, AF057177, AF159056, AC006033, and AC007245.
HTHCV59	6022	937393	1 - 381		15 - 334	
HTHCW35	6023	707732	1 - 254		15 - 395	
HTHCW45	6024	578823	1 - 217		15 - 268	AI438940.
HTHCW83	6025	578828	1 - 238		15 - 231	
HTHCX84	6026	578874	1 - 289		15 - 252	
HTHCY12	6027	971165	1 - 501		15 - 303	
HTHCZ96	6028	578876	1 - 292		15 - 515	AA287931, AI341725, AI885252, AA481510, AA910745, and AA651762.
HTHDD40	6029	707065	1 - 354		15 - 306	
					15 - 368	AA393224, AI016087, D81712, AA196338, AA935945, AI366709, AI187411, AI138856, AI300972, AI208569, AI681313, AI306498, AA192299, AI269875, AI735291, AI749426, AI971045, AI078265, AI308072, AI479418, AI870613, AI347395, AI273636, AA780, 90, AI469870, AI971121, AW005093, AI310114, AI142657, AA917590, AI094689, AI273866, AA975941, AA626296, AA620996, AA435851, AA416923, AA770226, AA443766, N73669, AA416858, AI266465, AI311563, AA196360, AA026598, AI306499, AI690271, AA196353, AA025864, AA723525, AI264128, AI292139, AA469915, AI681934, AA476818, AI680820, AA806060, AW138575, AI919372, N78510, W84495, AI735033, W84355, AA417880, AA192313, AI804297, AI914087, and AF161386.
HTHDE26	6030	869483	1 - 809		15 - 823	Z59408.
HTHDE44	6031	791641	1 - 374		15 - 388	AL031120.
HTHDE91	6032	967215	1 - 295		15 - 309	AC004854.
HTHDF38	6033	870339	1 - 684		15 - 698	H88681.
HTHDH24	6034	574675	1 - 493		15 - 507	
HTHDH34	6035	490926	1 - 118		15 - 132	

HTHD131	6036	959718	1 - 401	15 - 415	
HTHD143	6037	870335	1 - 353	15 - 367	AP000501.
HTHDM25	6038	578878	1 - 320	15 - 334	AA230122.
HTHDM65	6039	579199	1 - 239	15 - 253	AA639236, and AA838091.
HTHDM69	6040	578834	1 - 370	15 - 384	
HTHDP70	6041	578882	1 - 294	15 - 308	
HTHDQ85	6042	966858	1 - 314	15 - 328	
HTHDR09	6043	579076	1 - 206	15 - 220	AC005081, and AC005015.
HTHDR24	6044	578848	1 - 354	15 - 368	
HTHDU80	6045	764136	1 - 598	15 - 612	
HTJAB35	6046	491273	1 - 507	15 - 521	AA504694, AW372019, AL133355, AC005484, AC007151, AC005527, AF053356, AL049872, AC005529, AC016026, U95742, AL049795, AC005295, U91321, AC007845, AC002365, AC002404, AC004675, AC006101, Z98051, Z98941, AC007842, AF088219, AC013256, AL096701, AC005664, AP000501, AC004895, AL031595, Z93023, and AC005102.
HTJAB39	6047	705432	1 - 468	15 - 482	AA078502, AC000385, and AC004924.
HTJAD26	6048	681865	1 - 613	15 - 627	
HTJAE28	6049	703321	1 - 288	15 - 302	Z93242.
HTJAE42	6050	668339	1 - 384	15 - 398	H97454, and AJ703400.
HTJMB71	6051	760226	1 - 832	15 - 846	AI274138, AA828653, AA746171, AA955034, AC004834, AC006238, AC006050, and AI031774.
HTJMD95	6052	924240	1 - 459	15 - 473	
HTJMH80	6053	774407	1 - 549	15 - 563	W28136.
HTJMQ69	6054	754605	1 - 310	15 - 324	
HTJMR65	6055	729039	1 - 108	15 - 122	
HTJMT23	6056	948518	1 - 354	15 - 368	
HTJMT75	6057	766883	1 - 551	15 - 565	AI033483, and AA011410.
HTJMU34	6058	870316	1 - 688	15 - 702	AA248207.
HTJMU77	6059	771677	1 - 737	15 - 751	AA513791.
HTJMU87	6060	870315	1 - 303	15 - 317	
HTJMV80	6061	775766	1 - 658	15 - 672	T55626.
HTJMW42	6062	713132	1 - 506	15 - 520	AC007845, AC016025, and AC016026.
HTJMX71	6063	759910	1 - 490	15 - 504	
HTJMZ90	6064	787655	1 - 343	15 - 357	
HTJNB83	6065	766881	1 - 261	15 - 275	
HTJNC42	6066	713142	1 - 522	15 - 536	AA465661, and AB002390.
HTJNC53	6067	793328	1 - 320	15 - 334	AA311589, H14706, AA215801, R59006, H23078, H04923, T80563, and AA160069.

HTJND12	6068	870311	1 - 526	15 - 540	
HTJN142	6069	924726	1 - 360	15 - 374	AI147197, and AI307151.
HTJNK36	6070	924939	1 - 427	15 - 441	R61153, F07094, AC007845, AC016025, AC016026, Z79966, and Z56830.
HTJNM52	6071	795110	1 - 429	15 - 443	W39786, AL046597, AA089711, AA353463, and W07210.
HTJNQ25	6072	771941	1 - 553	15 - 567	AL118563, AA206533, AL118569, and AB023187.
HTJNR19	6073	781702	1 - 265	15 - 279	
HTJNS23	6074	870336	1 - 706	15 - 720	
HTJNV55	6075	931039	1 - 297	15 - 311	AA362919.
HTOAA48	6076	870027	1 - 327	15 - 341	
HTOAF15	6077	866201	1 - 1378	15 - 1392	AA552784, AA654062, AA654973, AC002565, AC004491, Z85986, AC000353, AF001548, AP000553, AC002115, AC004878, AC004883, AL031846, AC002316, U91321, AC005037, AC005488, AL022320, AC007021, AL049553, AL121595, and AC006120.
HTOAI35	6078	799686	1 - 108	15 - 122	
HTOAI69	6079	529555	1 - 247	15 - 261	AC007676.
HTOAI93	6080	751902	1 - 222	15 - 236	
HTOAK34	6081	966800	1 - 1271	15 - 1285	AW408167, AA491322, AA505126, AI340133, AA831203, N27153, AA053564, AA809481, AF181985, and AF179867.
HTOAK36	6082	921745	1 - 319	15 - 333	
HTOAO19	6083	954183	1 - 193	15 - 207	
HTOAO75	6084	530192	1 - 210	15 - 224	
HTOAT80	6085	530186	1 - 272	15 - 286	AC005071.
HTOAU62	6086	738214	1 - 386	15 - 400	
HTOAU94	6087	620370	1 - 514	15 - 528	
HTOAW19	6088	530114	1 - 189	15 - 203	
HTOAW26	6089	530116	1 - 97	15 - 111	
HTOAW37	6090	507322	1 - 378	15 - 392	HI6881.
HTOBA06	6091	960618	1 - 382	15 - 396	
HTOBA10	6092	839919	1 - 389	15 - 403	AC002433.
HTOBE15	6093	715538	1 - 361	15 - 375	R43482, and R43481.
HTOBF03	6094	925407	1 - 303	15 - 317	
HTOBF07	6095	954184	1 - 127	15 - 141	
HTOBF35	6096	530325	1 - 302	15 - 316	
HTOBC27	6097	682263	1 - 441	15 - 455	N55594, and AF176915.
HTOBC70	6098	740977	1 - 134	15 - 148	
HTOBO11	6099	966734	1 - 553	15 - 567	
HTOCF92	6100	530009	1 - 399	15 - 413	R87130.

HTOCK26	6101	523838	1 - 363	15 - 377	AW449222, and AC006427.
HTODB23	6102	530149	1 - 296	15 - 310	
HTODC33	6103	921426	1 - 536	15 - 550	R70629, AW340510, AA743712, AI239711, AA934974, AA970927, AW296573, AA453769, AI242482, AA831667, AA278373, AI767205, AA297622, AA063568, AW361666, AW361612, AW361497, AA287288, AA035698, AW361613, AI219908, R30835, R27605, R70528, AA837400, AA938942, AW361673, AW361492, and AB018289.
HTODE04	6104	927826	1 - 329	15 - 343	
HTODE78	6105	530397	1 - 325	15 - 339	
HTODG07	6106	880911	1 - 203	15 - 217	
HTODG10	6107	968505	1 - 331	15 - 345	
HTODG16	6108	909952	1 - 478	15 - 492	AA252781, AW403969, and AL041242.
HTODG47	6109	799691	1 - 514	15 - 528	T58456, and Z93020.
HTODG55	6110	852560	1 - 357	15 - 371	
HTODG58	6111	869998	1 - 110	15 - 124	
HTODG60	6112	558007	1 - 405	15 - 419	AL035667.
HTODG83	6113	676384	1 - 122	15 - 136	
HTODH04	6114	925386	1 - 467	15 - 481	
HTODH37	6115	708892	1 - 419	15 - 433	
HTODL81	6116	507295	1 - 339	15 - 353	Z55019.
HTODL85	6117	799701	1 - 430	15 - 444	M85453, AL031313, AC005027, AC007380, AC006059, AC004065, and Z97198.
HTODM58	6118	811293	1 - 208	15 - 222	
HTODN21	6119	869967	1 - 150	15 - 164	
HTODN27	6120	684343	1 - 413	15 - 427	AF150267.
HTODN68	6121	527862	1 - 310	15 - 324	AF000996, AF000995, AF000994, and AC006376.
HTOEA06	6122	960551	1 - 300	15 - 314	M85667.
HTOEA12	6123	967754	1 - 345	15 - 359	
HTOEA25	6124	523546	1 - 115	15 - 129	
HTOEC81	6125	529834	1 - 205	15 - 219	
HTOEC94	6126	529839	1 - 289	15 - 303	AC004168.
HTOED10	6127	839798	1 - 305	15 - 319	AB033094.
HTOED61	6128	742158	1 - 326	15 - 340	
HTOEG69	6129	967562	1 - 136	15 - 150	
HTOET10	6130	968492	1 - 304	15 - 318	
HTOEVS7	6131	774641	1 - 127	15 - 141	N68224, N67354, AA534053, AA555161, H08147, AI973260, T49754, AA559007, AA741221, AA741406, AI889391, AI815170, AW152571, AW148470, AI801172, R17748, AA559008, AI361148, AI149828, AI535872, AI862762, AI335343, AI687528, AA873283, AI887750, D56730,

HTOEV40	6132	529822	1 - 416	15 - 430	AA724205, M91395, AA923525, AI888159, AI884507, AI088529, AA843944, AI754671, C18850, AL047714, AI887128, AI203636, R49351, AW304960, AI025980, AI266270, N78996, AA771755, AI284521, AI590380, AI983532, AI701872, AI812104, AW088205, AA555158, AI037579, AA729065, AA039866, AW149188, AI055984, AI356187, AA948673, AA844503, AA716447, AI357575, AI567166, AA864427, AA781287, AW131915, AI567615, AI016814, AI708701, AI569339, AA948326, AW264529, AW173730, AW119035, AI917880, AI338300, N70267, AL047952, AA776091, AA634359, AI023241, AI298320, AW074746, AI367199, AI311007, T96249, AI283537, AI687359, N66270, Z38562, AW268514, AA007156, D56496, D57534, D58194, AA852819, AI744922, AW241346, AA985276, AI491863, AA468218, AW170129, AA746260, AW305377, AI520939, AA468200, C16188, AI582534, AI690349, AA910908, N64254, AW021711, T31245, AW337845, AI356169, AI858397, AI766339, AI873603, AA887384, AI917555, AA468325, AI356978, AW243937, AI624978, AI363736, AI473615, T63046, AW262693, AI357870, AW027859, AI476195, AA975137, AI830023, AW148889, AI624332, AI984869, AI588857, AI623999, AI890602, AI923387, AI624546, AI984874, AW338727, AI924795, AI174614, AW338383, AW261865, AA740176, AW273343, AW167058, T93303, AA524754, T38485, T34321, D57153, R74097, AI804969, AA468252, D57519, N67079, AA708254, D57672, AW193991, AI884463, AI912364, AI623438, T92456, Z36256, D56644, AI911864, AI620441, AI887188, T49753, AW084621, AI979068, T31365, R62949, AI953779, T06806, R56859, AI978655, AA633903, AA812406, D56697, H88939, AW440537, H88746, R43948, D57697, AA173385, AI335183, AW023129, C16259, C16182, R77884, D57476, C16244, C16256, AI361970, AA173140, R67928, C16175, C16228, C16261, AI735323, D56668, D56538, H26265, H03623, AW023819, AA987712, W45132, AA370387, H43894, AA113139, AA083045, AA074156, C16393, H43403, D58338, H88747, AI285675, AA856577, F08907, AA586771, AI827352, AA641695, D57786, AI525653, and AF152462.
HTOEV50	6133	529820	1 - 207	15 - 221	AC006031.
HTOEY72	6134	659494	1 - 242	15 - 256	
HTOFA04	6135	845519	1 - 117	15 - 131	AI680192, AA365356, AC006353, Z95703, AC004945, AL023578, AC005280, AC005951, AL109837, AC002485, AC007876, AL035593, AC006925, AC002558, AL035209, AC006442, AF112374, and AC010077.
HTOFB55	6136	723256	1 - 285	15 - 299	
HTOFB73	6137	742153	1 - 193	15 - 207	AL039392, AL043102, AC003010, and AB002368.
HTOFC70	6138	811291	1 - 342	15 - 356	
HTOFD10	6139	968469	1 - 260	15 - 274	AL031733.
HTOFD31	6140	529674	1 - 190	15 - 204	AL132987.
HTOFD57	6141	529673	1 - 290	15 - 304	AI693633.
HTOFO05	6142	932662	1 - 86	15 - 100	AL023553.

HTOFO41	6143	529617	1 - 102	15 - 116	
HTOFQ48	6144	720880	1 - 303	15 - 317	AA083844, and AC009464.
HTOFT22	6145	939903	1 - 2369	15 - 2383	
HTOFT34	6146	527144	1 - 257	15 - 271	
HTOGA06	6147	960554	1 - 295	15 - 309	
HTOGA25	6148	529959	1 - 173	15 - 187	
HTOGA35	6149	751989	1 - 517	15 - 531	W24682, N36613, T97784, AW450574, AW007560, T79529, W44828, T81699, AA279071, AI492367, W73735, AI767757, W73412, AI650834, and AF086296.
HTOGA51	6150	530331	1 - 109	15 - 123	
HTOGB55	6151	781591	1 - 387	15 - 401	AA336963, and AA835914.
HTOGB92	6152	529810	1 - 316	15 - 330	AC006211.
HTOGC16	6153	927835	1 - 124	15 - 138	
HTOGC20	6154	960094	1 - 331	15 - 345	
HTOGD28	6155	529806	1 - 334	15 - 348	
HTOGD43	6156	650846	1 - 312	15 - 326	
HTOGD50	6157	529805	1 - 421	15 - 435	AA805738, and AC004527.
HTOGL75	6158	869973	1 - 320	15 - 334	
HTOGL86	6159	507294	1 - 319	15 - 333	AL024508.
HTOGR50	6160	529824	1 - 230	15 - 244	
HTOGR65	6161	618316	1 - 616	15 - 630	
HTOGU30	6162	961776	1 - 92	15 - 106	AC005530, AB023048, and AP000511.
HTOHB03	6163	924986	1 - 621	15 - 635	
HTOHB42	6164	714073	1 - 353	15 - 367	
HTOHB66	6165	966688	1 - 756	15 - 770	T95688, and T95163.
HTOHC78	6166	577745	1 - 310	15 - 324	
HTOHC84	6167	537370	1 - 343	15 - 357	
HTOHD27	6168	799676	1 - 189	15 - 203	
HTOHE53	6169	531172	1 - 268	15 - 282	
HTOHG55	6170	537366	1 - 238	15 - 252	AA229326.
HTOHI60	6171	740611	1 - 328	15 - 342	
HTOHL22	6172	968308	1 - 230	15 - 244	
HTOHL35	6173	537364	1 - 217	15 - 231	
HTOIM54	6174	537363	1 - 261	15 - 275	AC007845, AC016025, and AC016026.
HTOHN24	6175	971728	1 - 129	15 - 143	
HTOHN42	6176	537362	1 - 176	15 - 190	AF076455, and AL034421.
HTOHP13	6177	530350	1 - 403	15 - 417	AA465694.

HTOHS32	6178	678071	1 - 252	15 - 266	AL133485.
HTOHS68	6179	507136	1 - 336	15 - 350	AC005531.
HTOHU09	6180	920734	1 - 155	15 - 169	
HTOHV29	6181	527865	1 - 403	15 - 417	
HTOHX74	6182	507139	1 - 455	15 - 469	AC004020.
HTOHZ61	6183	537371	1 - 392	15 - 406	AL035079.
HTOIA12	6184	851032	1 - 532	15 - 546	
HTOIA68	6185	584946	1 - 331	15 - 345	
HTOIJ67	6186	537354	1 - 342	15 - 356	
HTOIK06	6187	954518	1 - 316	15 - 330	
HTOIK08	6188	959996	1 - 587	15 - 601	AA521458, AA465140, AW268432, AI018232, and Z85996.
HTOIN17	6189	537322	1 - 365	15 - 379	
HTOIO29	6190	506720	1 - 410	15 - 424	
HTOIO36	6191	537320	1 - 277	15 - 291	
HTOIO79	6192	537321	1 - 308	15 - 322	
HTOIP32	6193	869941	1 - 457	15 - 471	M62242, AA632589, AA654874, AI380617, AA548921, AA405475, AA078450, AI500315, AA713720, AA478369, H94979, AP000300, AC007051, AC007919, AC005592, AC004475, AF190465, AP000113, AP000045, AL109758, AL031665, AL035422, U07562, AL121580, Z98200, AL049776, AC006211, D31872, I25849, AL031427, AC005005, AC006480, AC006006, A65971, AP000238, AC002550, AC003662, AP000094, AL031289, AC003109, AC006511, Z97195, AP000283, AP000284, Z84477, AC004084, AP000040, AP000108, AP000356, AC005971, S48539, U93096, L29349, L29348, X17648, A28928, AL023799, AF108459, AC005745, AP000288, AB004907, AL096805, AP000543, AF149773, AP000544, Z82190, AP000109, AP000041, AC012627, Z95329, Z95331, Z95400, AC007666, AL035455, AC006285, AC005154, AC007934, AC005535, AC007395, AC002307, AC007371, AC007486, AL031283, AC006536, and AL022318.
HTOIP53	6194	557824	1 - 295	15 - 309	
HTOIQU5	6195	932440	1 - 395	15 - 409	
HTOIR12	6196	537319	1 - 272	15 - 286	
HTOIS27	6197	485268	1 - 493	15 - 507	
HTOIT32	6198	418666	1 - 81	15 - 95	
HTOIW02	6199	920752	1 - 229	15 - 243	AB032254.
HTOIW40	6200	669595	1 - 257	15 - 271	AL133241.
HTOIY09	6201	836003	1 - 518	15 - 532	
HTOIZ34	6202	707039	1 - 228	15 - 242	N44119, AI560189, AC005670, AC004675, AF088219, and AC005332.
HTOJA65	6203	456824	1 - 547	15 - 561	

HTOJA83	6204	574764	1 - 343	15 - 357	AL035209.
HTOJA96	6205	968510	1 - 256	15 - 270	
HTOJB59	6206	574761	1 - 432	15 - 446	
HTOJB67	6207	726577	1 - 589	15 - 603	
HTOJF65	6208	715820	1 - 331	15 - 345	
HTOJG08	6209	869926	1 - 152	15 - 166	
HTOJ124	6210	766963	1 - 378	15 - 392	
HTOJ117	6211	574735	1 - 488	15 - 502	H50743, W89032, and AC004908.
HTOJK48	6212	574348	1 - 424	15 - 438	
HTOJK79	6213	531320	1 - 392	15 - 406	
HTOJK84	6214	952741	1 - 616	15 - 630	AC002480.
HTOJL55	6215	825165	1 - 197	15 - 211	
HTOJL71	6216	574529	1 - 186	15 - 200	
HTOJM06	6217	936089	1 - 870	15 - 884	
HTOJM70	6218	799689	1 - 305	15 - 319	
HTOJS81	6219	711021	1 - 395	15 - 409	
HTOJT90	6220	921016	1 - 457	15 - 471	AA248014.
HTSAA22	6221	415775	1 - 436	15 - 450	AA295824, and AL034374.
HTSEU58	6222	521995	1 - 284	15 - 298	AA055031, A1693951, and AC000353.
HTSFZ77	6223	935620	1 - 253	15 - 267	
HTSGB93	6224	526625	1 - 518	15 - 532	AA725078, A1040862, N90022, A1453081, A1023972, W52909, AA037352, A1470313, and AL035562.
HT'SGM65	6225	576062	1 - 422	15 - 436	A1334632, and A1308136.
HT'SGW24	6226	971724	1 - 597	15 - 611	AF111170.
HTSHA61	6227	960474	1 - 289	15 - 303	
HTSHD86	6228	773726	1 - 597	15 - 611	
HTSHF47	6229	720403	1 - 314	15 - 328	
HT'SHM38	6230	972248	1 - 604	15 - 618	A1907172, C14389, C15076, D59467, D80164, D59787, D81026, D59610, D51799, D58283, C14331, D80022, D81030, D80043, D80241, D80038, D59502, D59859, D80227, D80166, D80195, D51423, D59619, D80210, D80391, D59275, D80240, D80253, D80212, D59927, D80196, D80188, D50995, D80219, D80269, C14429, D57483, D80366, D50979, D59889, D80193, D80251, C14014, D52291, A177440, AA305409, D80378, D80024, D51022, D80045, AA305578, AW378532, D80522, T03269, AW178893, D51060, C75259, T11417, AA514188, AW179328, D80248, AW369651, D51250, AW352158, D80134, D58253, C14077, AW178762, AW178775, AW177501, AW177511, C14407, D80268, AA514186, D80133, AW176467, AW360811, F13647, AW377671, AW352117, C05695, AW375405, D80132, AW378540,

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HTUAA40	6231	522671	1 - 406	15 - 420	AA127486, AL035460, AL035416, U35114, and AC006449.
HTUAA86	6232	522076	1 - 82	15 - 96	AL096763, AC005822, AC006023, AL031432, and AL009174.
HTWAB64	6233	522058	1 - 273	15 - 287	AA442624, AL382107, AA038620, A1526078, A1557241, A1541450, A1541346, A1557039, AL133054, A82595, and A82593.
HTWAB16	6234	880725	1 - 231	15 - 245	AL031733.
HTWAB51	6235	614968	1 - 290	15 - 304	
HTWAM50	6236	753217	1 - 220	15 - 234	AL135521, AC010205, AC005409, AB033034, and AC005501.
HTWBD74	6237	716756	1 - 305	15 - 319	AA058683, AA040633, A1803614, A1798615, AA911057, A1291722, AW057620, A1560233, A1188314, A1393726, H08739, R43944, A1693931, AW082226, AW275123, AA167619,
HTWBE77	6238	781306	1 - 761	15 - 775	AA831569, A1347306, AA806447, A1819648, AA85238, A1245489, AW269885, AA768000, AA600827, A1074850, AA877438, W38388, AA279508, AW262944, AA036773, N23012, AW051434, A1857899, AA588347, AA030007, AA015960, D20147, A1803231, A1127521,

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HTWBF61	6239	579041	1 - 257	15 - 271	
HTWBF65	6240	576623	1 - 593	15 - 607	A1216401.
HTWBF82	6241	854019	1 - 330	15 - 344	
HTWBG40	6242	711271	1 - 463	15 - 477	
HTWBH73	6243	708331	1 - 290	15 - 304	
HTWBJ15	6244	842014	1 - 616	15 - 630	
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HTWBJ71	6245	935647	1 - 331	15 - 345	
HTWBL88	6246	784364	1 - 166	15 - 180	
HTWBN85	6247	577510	1 - 272	15 - 286	
HTWBO55	6248	732182	1 - 563	15 - 577	
HTWBR04	6249	787303	1 - 305	15 - 319	R36200, AI393984, AA780790, H06076, and AI287520.
HTWBZ01	6250	578678	1 - 90	15 - 104	AA333449, AI123407, AI611123, AF090834, AF097832, and AF153679.
HTWCA19	6251	582498	1 - 547	15 - 561	AI475768, D89870, and AC004152.
HTWCA76	6252	770109	1 - 363	15 - 377	AL035209.
HTWCD27	6253	658018	1 - 449	15 - 463	
HTWCD40	6254	670812	1 - 466	15 - 480	AW151761, AI917132, AA807704, AL041375, AW089016, AI499954, AA610255, AI791659, AA742815, AI572680, AA297776, AA720582, AA528390, AA846923, AL079734, AW192373, AA808861, AA584655, AA192293, AA904211, AI762528, AI674840, AI206841, F35684, AA229988, AI636422, AI567676, AA584594, AL038842, AI355246, AA282951, H66021, AI912401, AI921765, AW275432, AA452887, AA633875, AA485831, AW151541, AI709174, R70333, AI078409, T47138, AW272815, AA581247, AA601674, AA015948, AI370470, AA568314, AI189682, AI719142, AA633799, AW419389, AW403829, H45698, AA489390, AI634377, AI538404, AA502207, AA669234, AA315361, AI338426, AA634242, AA493226, AA558404, AA160563, AW161016, AI860423, AW302017, AA651639, AW029269, R70883, H63660, AI434037, AW020150, AI537368, AI521525, AI583291, AA714011, AI590404, AI479068, AI565126, AW166611, AI610737, AA405726, AA503298, AI242614, AI904840, T49933, H81406, AI537995, AI536858, AI130709, AA492105, H29914, AA613624, AA182731, AI457313, AI634187, AA808725, AW069227, AI887606, AI690497, AI627614, AA425924, AI554435, AA599423, AI289505, AA603413, R81167, AI915081, AW162750, AI690892, AA356376, AA568204, AA570740, AA600202, AA483606, AA574000, AI114494, AA578621, AA636077, AA469327, AA654482, AA719564, AI926102, AA479877, AA613616, AA565232, AL039309, AW089550, H67064, AA526339, AI792439, AW272640, AI469599, AA506734, AA299589, AA877992, AA564587, AA507291, AA740571, AA186905, AW105463, T50061, AI310992, AI300818, AA741403, AA158549, AW190484, AA878058, AA574009, AW188742, AA237098, AA610433, AA582746, AI285493, AI282623, AW270385, AI431513, AA661583, AI312090, AW023111, T52772, AA341865, AW069537, AW151247, AI963856, AA484191, T03576, AA583386, AA603567, AW341882, H640999, AA631915, AI653776, AW029618, AA135761, AI923052, AA397821, AA701122, T41134, AC005274, AP000359, AL035420, AC002430, AC003692, AC007384, AC002400, AC004797, AC005081, AC007536, AC002375, AF053356, AI133163, AL049776, U15422, AF104455, AF030453, AF134726, AC003667, AC006480, AP000557, AC007686, AC007842, AL109758, AL096701, AC007227, AC007225,

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HTWCE72	6255	575962	1 - 258	15 - 272	AC005609.
HTWCF06	6256	935641	1 - 359	15 - 373	
HTWCF25	6257	924008	1 - 365	15 - 379	
HTWCF94	6258	747197	1 - 438	15 - 452	AC002394.
HTWCG45	6259	548176	1 - 469	15 - 483	AL047485, AI525707, AW277133, AA069701, AA557394, AA194689, AA574454, AW265297, AA195832, AA194667, AA195966, AA196489, AI800403, AW276795, AA225324, AA214115, AI224582, AA468474, AA476566, AI557286, AA225999, AI979036, AI811220, AI133661, AA211763, AI633184, AA469255, AA211596, AA192886, AA595622, AA657462, AA186825, AA194458, AI679588, AA470537, AA528310, AI801080, AA209532, AI719397, AA179143,

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HTWCG65	6260	869547	1 - 300	15 - 314	<p>U38997, AF072420, U63496, U13102, U63494, U13124, Z18645, Z18655, AF203774, AF061340, U13112, U63501, U63500, U63490, AF072428, U63504, U63489, U63502, AF072429, A89723, AF072430, Z18659, AF058292, U63498, U63510, U63491, AF072414, U63508, Z18661, and U63495.</p> <p>AI624279, AW080402, AI571861, AI684234, AI269862, AI917055, AW090071, AI284517, AL040243, AI318280, AW149227, AW148716, AI683475, AI567993, AW150578, AI560099, AI801325, AI500662, AL079963, AI045266, AW087445, AI275175, AI499381, AI308035, AL036361, AW151138, AI433976, AW059713, AW170635, AI364788, AL045500, AI433157, AI434223, AA508692, AI539771, AI636445, AI537677, AI500659, AI500523, AW274192, AI610362, AI612920, AI500706, AI491776, AI445237, AI572787, AW302988, AI564719, AL039086, AL039276, AI702433, AI783504, AW082113, AL044207, AI620284, AI637584, AI620287, AI590118, AI815855, AI345416, AL042551, AW071349, AL121328, AI433037, AW302973, AW268060, AI633493, AI289937, AI281773, AL049085, AI480118, AI499463, AL119748, AI312428, AW301409, AI613017, AL119791, AW301505, AI539153, AI590415, AI284509, AI349598, AI815232, AI249323, AW008048, AL036736, AI345612, AI538716, AA427700, AI559296, AI955917, AI862139, AW132056, AI308032, AI696612, AI274508, AI476046, AI873644, AI890833, AI926790, AI889376, AL036403, AI524671, AW051258, AI921248, AI873704, AI498579, AI619502, AI677796, AI802542, AI886753, AW026882, AI254042, AW071417, AI702073, AI273142, AI758437, AL036396, AL038605, AI800453, AI800433, AW088903, AI571551, AI554245, AI568870, AI224992, AI362637, AL036146, AW088793, AI699857, AW169653, AI801544, AL043981, AW074993, AA287231, AI440239, AW117882, AI679764, AW243820, AI282903, AI491852, AI816010, AW262565, AI872545, AI497733, AI624206, AL042628, AI919058, AI476109, AL110402, AL121270, AI468872, AI349645, AI521012, AI270707, AI348897, AI570989, AA225339, AI335426, AI348777, AI349004, AI284131, AW169671, AW131282, AI539808, AI923509, AI281772, AI950664, AW268220, AW103371, AI590120, AI682841, AI571909, AI632408, AI569583, AI064830, AI436456, AI499285, AI648684, AI567940, AI340582, AL134999, AW188382, AL036980, AI862144, AI621209, AW104724, AI612913, AW023590, AW132001, AI745713, AI866608, AL047763, AW075413, AW059837, AI863014, AW168795, AI702406, AI570384, AI274013, AI252813, AI857296, AI500146, AI453322, AI499512, AI859511, AW002342, AL119049, AI569616, AI824557, AI475451, AI872711, AL041150, AI591316, AI623396, AI439350, AI269205, AI349256, AI799199, AI554427, AI889133, AW082040, AI612885, AW102785, AW103893, AA974049, AI561299, AL038779, AI269696, AI648663, AI868831, AI888953, AI254251, AI886124, AW238730, AL038565, AW089572, AI281779, AI633419, AI627909, AI445165, AW183130, AI536685, AI866002, AL036274, AI922901, AI282326, AI828731, AI633125, AW162071, AL133080, I89947, E02349, A08913, AL049314, I48979, A08916, AF093117, I48978, AL137459, AL050108, AFI13676, AFI13690, AFI18070, AL133075.</p>
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HTWCG69	6261	575950	1 - 298	15 - 312	AF113677, 189931, AL110221, AF158248, 149625, AL050393, AF090900, AL049466, AF125949, AL117585, AF017152, E03348, AL137557, L31396, AL080060, L31397, X84990, AF177401, U42766, AL122121, AF113694, AJ000937, AL117460, AL117457, AB019565, AF104032, AF113019, A08910, E07361, AL122050, AL110225, Y11587, AC006371, AL133560, AL050146, AF090896, AF090901, X82434, A65341, AF113699, AF113013, AJ242859, AR059958, AF090903, AL050116, S68736, AL122093, AF078844, AF111851, X63574, AL049452, AL133640, AL133557, AL080124, AL122123, AF118064, S78214, AF125948, AF106862, AF091084, AF017437, Y16645, Y11254, AL110196, AF113691, AL133016, AL133606, AF079765, AF090934, AF113689, AF146568, AL117394, AL133093, A93016, AL137527, AL049464, AF118094, AL080137, AL050138, AL133565, AL050277, AJ238278, AL050149, AR011880, AF090943, AF183393, AL117435, AC007869, AL049300, AL049938, AL117583, AC009233, AL096744, U91329, A08909, E07108, A03736, AL137283, AF067728, AL049382, Z82022, AL080127, I33392, AL133113, A58524, A58523, U00763, AL049430, AL137271, AL137538, U72620, I03321, A77033, A77035, AF179633, A08912, AL050024, AL122098, AL137648, A12297, X96540, AF097996, AL137521, X98834, AL122110, X72889, AL137463, X70685, U35846, AF061943, AC004833, U80742, AL049283, AC004943, AL110197, AF087943, X65873, AC006115, AL122049, AC006222, X93495, AF111112, and AL133072.
HTWCI42	6262	713022	1 - 258	15 - 272	
HTWCK07	6263	953482	1 - 413	15 - 427	AF017104.
HTWCL29	6264	740327	1 - 67	15 - 81	
HTWCM36	6265	971129	1 - 758	15 - 772	AA215701, AA410338, AA406248, H47628, AA215700, and AA662185.
HTWCM56	6266	662321	1 - 549	15 - 563	AL760702, AF111105, U43186, AR008277, and AR008281.
HTWCN33	6267	577494	1 - 463	15 - 477	
HTWCN83	6268	573580	1 - 487	15 - 501	AC006502, and AL035692.
HTWCR25	6269	575959	1 - 324	15 - 338	AC008394.
HTWCS11	6270	967190	1 - 190	15 - 204	
HTWCT42	6271	713870	1 - 253	15 - 267	AL023096.
HTWCT61	6272	575975	1 - 447	15 - 461	AW027225, and AW027591.
HTWCX32	6273	669745	1 - 172	15 - 186	AA807061, and C01387.
HTWCY05	6274	920337	1 - 346	15 - 360	
HTWCY69	6275	869553	1 - 356	15 - 370	AL031595.
HTWDB72	6276	835624	1 - 445	15 - 459	
HTWDF82	6277	921697	1 - 411	15 - 425	
HTWDH14	6278	669560	1 - 541	15 - 555	AW239198.
HTWDH75	6279	767368	1 - 479	15 - 493	AA021481, AA001501, AA253163, and AW080520.

HTWDM43	6280	715352	1 - 413	15 - 427	A1240780.
HTWDN01	6281	916680	1 - 325	15 - 339	
HTWDN17	6282	664115	1 - 331	15 - 345	
HTWDQ60	6283	575939	1 - 92	15 - 106	
HTWDS35	6284	697825	1 - 393	15 - 407	A1633883, A1478126, AW002533, AC004815, and U88834.
HTWEA61	6285	965453	1 - 541	15 - 555	AL038664, A1051237, D82747, A1372493, AA302328, T48533, AW163010, AW275741, AW292131, AW149580, AW021288, AA148318, AA329440, AW270647, R12857, AA862706, AA342697, T27330, AA719848, T79010, A1026832, T69962, AA176086, A1676163, T69912, AA386145, H20652, T24661, AA337850, AA349447, AA595861, AA373966, AA355685, AW270806, N84238, AA199620, AA090164, D31885, AF223953, and AF172088.
HTWEC63	6286	735003	1 - 258	15 - 272	
HTWED17	6287	663714	1 - 377	15 - 391	
HTWED28	6288	686598	1 - 386	15 - 400	
HTWEG12	6289	970538	1 - 356	15 - 370	
HTWEH16	6290	661860	1 - 213	15 - 227	
HTWEJ14	6291	792648	1 - 451	15 - 465	
HTWEM37	6292	449136	1 - 472	15 - 486	
HTWEM63	6293	745024	1 - 334	15 - 348	Z99714.
HTWER78	6294	836799	1 - 460	15 - 474	AW364808, A1559215, AA923746, AA836012, AW327798, A1335646, AA724748, AA009478, AA452221, AA620709, R79719, and AA422169.
HTWES75	6295	767257	1 - 255	15 - 269	
HTWEU29	6296	711673	1 - 525	15 - 539	R53304, AW003115, R24971, Z45348, R06583, AA354539, R00344, F08048, AW175634, T89050, AA352746, H67220, AA344337, AA300562, T79104, AA315109, H51867, AW404159, AF069984, and AF069987.
HTWEX09	6297	625458	1 - 280	15 - 294	AC006389.
HTWEX18	6298	666305	1 - 488	15 - 502	AA059489, AW075945, W39013, AA040567, A1096342, A1268275, AA293239, A1200654, A1589359, H01352, AA505695, A1809808, AA873453, AA770600, AW005912, A1801978, A1698096, AA281486, A1703059, A1916594, A1703132, N90227, AW007805, A1459224, A1694044, A1744499, A1279707, AA827910, T58767, R32147, A1375599, A1630768, A1040897, A1697705, AA604916, W58385, AA487704, AW027528, R32148, AA406413, A1804406, AA625413, A1193139, A1377494, A1218362, AA410354, AA403249, H13466, H26699, AA411298, A1393731, A1936297, A1366815, N34404, A1694262, A1189875, AW072309, A1420673, A1375598, A1245296, AA911276, A1301717, A1580797, A1348624, AA989442, A1342929, AA478946, AA468790, AA406322, T94659, AW015590, R82573, A1142053, A1245287, T94308, A1034416, AA856758, A1369708, R64474, A1298484, A1382919, R08179,
HTWEY30	6299	918641	1 - 704	15 - 718	

HTWFB37	6300	708908	1 - 150	15 - 164	AA968824, AI919216, AA045499, R66761, AA301164, N40439, AA862267, H12482, AW075870, AA909426, N26406, H01306, R65586, AA330943, AA988873, R32091, AI074686, AA700656, AW085943, AA281713, AI784080, AA969464, AI473229, N48474, R82516, D45627, AI632296, AI695369, AI494115, R65578, R64489, H13422, AA889103, AI171756, AA487490, AW166636, AA988552, AA909799, T47762, AI171994, D59192, AF036549, and AF036548.
HTWFB75	6301	767253	1 - 400	15 - 414	AL120304, AL042433, and AL119341.
HTWFF46	6302	869499	1 - 415	15 - 429	T12305, and AC004765.
HTWFG44	6303	935270	1 - 581	15 - 595	AI828449, AI300539, AI624022, AW076128, AA733063, AA161130, AI076905, AW271222, AW276047, AI687613, F25075, AW243801, AA570095, AI248876, AI123429, AA099709, N78559, AA612778, AI692287, AI272255, AI002324, C75244, AI758604, AI524505, and N73712.
HTWFI19	6304	668579	1 - 346	15 - 360	
HTWFK15	6305	869498	1 - 282	15 - 296	AL132992.
HTWFM20	6306	917272	1 - 522	15 - 536	AL031733.
HTWFN64	6307	757593	1 - 520	15 - 534	AA599080, Z82206, AC005015, D87675, AL133243, AL031432, AP000113, AC004882, Z98884, Z98946, AC005971, AC006530, AC007766, AF165926, AC005081, L78810, Z83826, AC002375, AC004447, AC000085, AL034548, AC005387, AL079342, AP000346, AC005089, AC006960, Z99716, AC004491, AF045555, Z98051, AL023553, AL121653, AC002126, AC000039, AP000045, AC002425, AC005736, AC007292, AL121769, AP000555, D84394, AL080242, AC006130, AP000511, AC004000, AC006538, AC006468, AC007546, AL135744, AL050332, AC005180, AC005874, AF134471, AC005793, U95740, Z95152, AC002470, AC005335, Z93930, AL050307, AL096763, AC005933, U91326, AP000088, AL022476, AC000026, AC005622, and AC002544.
HTWFO63	6308	658473	1 - 144	15 - 158	AA608873, and AA722048.
HTWFI14	6309	869489	1 - 356	15 - 370	
HTWFP33	6310	916562	1 - 670	15 - 684	
HTWFP53	6311	721768	1 - 391	15 - 405	
HTWFR17	6312	663697	1 - 380	15 - 394	AC008116.
HTWJA24	6313	954881	1 - 524	15 - 538	AA634223, and AA018611.
HTWJA59	6314	812705	1 - 266	15 - 280	AA579184, F36373, AI348731, AI049986, AW074398, AW075915, AA732212, AL040462, AI611902, AA579278, AL119259, AI284467, AA078483, AI205181, F28576, T69214, AA730362, AI569086, AW274197, AW265197, AI624528, AI753365, AW088049, AI079910, AW161495, AA484262, AI814820, AA595841, AI821044, AW161522, AW160880, AA747889, AL079645, AL042856, AA366035, AI053477, AW021917, AW264969, AI205126, AA641103, AW087946, AL040913, AA167741, AI925040, AL046746, AL041450, Z99394, AA504951, AA878140,

AA618242, AI053522, AI034326, AA516207, AI338209, AI792864, AI733957, T48723,
AA639025, AW080134, H64777, AW338500, AI434144, AI963786, AA523276, AA515435,
AA569202, AW193546, AI708005, AI819569, AI962050, F32893, AW103383, AA669961,
AI653515, AA159478, AI120502, F29989, AI082510, AA557879, AI291823, AI252085,
AI160117, AA653291, AI312790, AI039809, AL039187, AI336054, F37223, W60516, AA179136,
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AI472442, AI536625, AW339687, AI679782, AI285615, AA558697, AW265654, AI904894,
AI792903, AI137954, AI471418, AW419161, AA441788, AI635272, AI734002, AA229785,
AA482711, H72688, AA714595, AA593471, AA669102, AI624212, AI251002, AW103239,
AI623898, AI792130, AI281474, F36273, AA626678, AA745410, AI801205, AA632517,
AI073888, AI287832, AA563770, AI119025, AI287651, AI929531, AI791610, AI499094,
AI792337, F13749, AW166815, W90237, AI284640, AW069807, AI818620, AW390062,
AI624024, AI917271, AW029038, AA584489, AI038279, AI118911, AI446464, AW162049,
AA533408, AI358343, AW341903, AW245711, AW271917, AW238016, AI887483, AW118011,
AI890923, AA508578, AA847340, AA557325, AW202070, AI862716, AW373604, AI079804,
AA515051, AW162489, AI370475, AI061313, AA773289, AA304488, AW274195, AC005755,
AC004499, AR060470, Z68756, U29953, AC005488, L78810, AC016830, AP000049, AP000311,
AC006023, AC006057, AF172277, AC010209, U96409, AI031012, AC006515, AI031466,
AL049697, AC006040, AC002477, AL031770, Z85986, AF064857, AC002367, AP0000031,
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AC004878, AC005034, AC018769, AC002316, AP000113, AP000045, M87914, AC007919,
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AC006160, AC008372, Z95703, AC000082, AI109894, AI080248, AC004622, AC005250,
AC002492, L44140, AI049596, AL031965, AC007684, AC005740, AI109627, AC005722,
U85197, AC004381, AC002531, AP000365, AL080317, Z97876, AC005914, AI031257,
AC001538, AL049554, AC004653, AC010170, AC005046, AC006285, AI096817, AL050341,
AF141976, AC007564, AP001053, AI117354, U02068, AC005678, AP000548, AC004675,
AI035455, AC016025, AI022311, AC009233, AP000962, AC004383, Z83840, AI034343,
AC004910, AF029308, AC005821, AC009181, AC010200, Z97054, Z93244, AC004743,
AI121653, AI109628, AP000116, AC005529, AI034349, AC005827, AC006210, AC007671,
AP000223, AI050350, AI035551, AC006430, D84394, AC005180, AF091512, AC006262,
AI031602, AF088219, AI133244, AI049843, AC007687, AC002401, AP000432, AP000085,
AI022302, Z68164, AC005932, AI031346, AC005668, AI031774, AC002565, AC005323,
AC000120, AC005690, AI035681, Z97053, AC005156, AC006525, AI117694, AC004805,

HTWJA83	6315	780990	1 - 318	15 - 332	<p>AP000354, AC003029, AB011135, AP000300, AC007023, AL121655, AC004662, AC006356, AC005829, Z98745, AC006459, AC004990, AL132777, AC006013, AC006207, AC005251, AL034421, AC004783, Z68323, AC007617, AL021154, AL022319, AC004474, AP000475, AL020995, AC004087, AC003086, AP000566, AL049539, AC006538, Z97353, AC003664, AC004647, AC004021, AC007358, AC003035, AC004449, AC005940, Z98946, AL133163, Z47046, AL133246, AL022313, AC005372, AF031078, AF030876, AC004460, AL035684, AL049553, AC005566, AL035400, AC004596, AC002395, AL031650, AL078476, AL049636, AP000248, AP000153, Z95114, Z48051, AC004417, AF196779, Z84483, AC008163, AC007226, AL023579, AF130343, AP000012, AC004800, AC004544, AL023284, AC004623, AL049835, AL031589, U29895, AL049838, AC005412, AC006500, AC006241, AC004472, L76568, AC004834, AP000152, AP000010, and AC004525.</p> <p>F00717, D58893, AA129219, AL185580, AA548890, AL282793, AA843779, AA318189, F35649, AA501649, AI929746, AA514020, AI929738, AW162887, AA525508, AA984187, AI500453, AI049671, AI470431, AI524360, AI311684, AW401658, AA641122, AA586667, F17632, AA503119, AA468022, AI470437, AA714110, AA493110, H64265, AA581471, AW022897, AI634187, AI457313, F17142, AI610376, AI932600, AW084258, AW131249, AA527209, AI133164, AL045813, AI886008, AA668340, AI857836, AW080777, AW118304, AA846990, AI310780, AA314877, AI356440, AI344957, AA676971, AA321168, T07039, F25733, AA858372, T02965, AA745373, AW250905, AA149724, AI219169, N23896, W39141, AI720195, AW069227, AI216151, AA305154, AA613624, AW150561, AA136577, AA653240, AA558560, AW405054, AI806102, AI581193, AA297666, AI460009, R49657, AI086830, AI366464, AI817976, AW080440, AA455483, AI110595, AW130093, AA129563, AA577824, AW402817, AI669046, AW025074, AI223987, AA402129, AI134703, AW178018, AA574077, AW177870, AA101113, AA53363, AA707735, AA747305, AA580568, AI559564, AI859284, AA569183, AI681568, AI367473, AA228459, M78140, AA351753, AI431240, AA405453, AA908224, AA775173, AA180327, AA018823, AA489571, W26032, AL119921, AA179350, AL119158, T47084, AA972809, AC006953, AL121593, AC004552, M87921, AL033543, AL021391, AC004648, AL121652, AC004257, Z97205, AF152365, AE000658, Y07848, AP000504, AC000026, AL133233, AC002059, AC007040, AC006041, AL009183, AC008545, AP000010, AP000152, AC006037, Z98742, AL008633, AC004655, AC002331, AC004970, AC010722, AC004551, AC007785, AC008080, AL023879, AL021546, AF001552, AC005086, AL034548, AL024473, AC004962, AF135025, AC005568, AD000091, AC004517, AP000275, Z81364, AC005031, AP000105, AP000037, AC002530, AC007880, Z84466, AC004999, AC004520, AC020663, AL035070, AC002091, AL133448, AL021395, AR036572, U91328, L35485, AL121655, AC005486, AC004813, U91322, L09706, AP001137, AC005808, AP000502, AF019413, AC001231, AC004673, AC008273, AC003025, AF139813, AC004228, AR051479, AL031258, AC007707, AL033392, AC004834, AL033517, AL031295, AC004140, AC006211, AL137430,</p>
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HTWJA95	6316	796259	1 - 278	15 - 292	AC007245.
HTWJC43	6317	715081	1 - 386	15 - 400	W52542, AA352300, AA492364, AA345395, AA523753, T40415, AA181184, AA664672, D53546, D53992, D54403, D54143, AA526619, D52804, AA180190, AA128647, AI301557, AA159647, AA603905, AW005462, AA528259, AW069480, AI309850, AA531360, AA533239, AW170190, AW188490, AW327933, AW327993, D54773, AA507186, AA847052, AI146888, AI081088, AW117656, AA327924, N99053, H88751, AI345372, AA532888, W32379, AA191222, AI560642, F27195, AI095409, AA804683, AI857391, AI676012, AA182619, N30675, AI300845, AI660588, R54410, AA081362, AI129527, AW023019, AA516100, AA528581, AA729056, AI205881, AA658829, AW328662, AW411459, AW276534, AA569578, AA484708, AA365665, AA809081, AI971289, AW245982, AA327606, D53168, AW238115, AW262461, AW238188, AW274800, AW238160, AW238174, AW438505, T59573, AI521361, AI658587, AA602702, AI199869, AA885968, AW084835, AW006070, AI266606, AW327994, AA176964, AW238047, AW262180, AA551487, AA167322, AW328642, AW328735, AW327769, and AC005291.
HTWJC85	6319	757125	1 - 321	15 - 335	
HTWJF59	6320	693116	1 - 348	15 - 362	AI141508.
HTWJF66	6321	576164	1 - 589	15 - 603	AC004534, and AC004889.
HTWJF95	6322	745182	1 - 431	15 - 445	AA525764, AW167154, AA507601, AI887235, AI815583, M62259, F24745, AI816537.

2175

HTWJH57	6323	812698	1 - 342	15 - 356	<p>AL035413, AL009051, AC003047, AP000031, AL035416, AF006752, AC004019, AC003025, AC004491, AP000134, AC005755, U80017, AC007842, AC007676, AC002432, AL031666, AC003109, AP000501, AL021546, AC005231, AP000347, Z83826, AC002310, AC005632, U95090, AL035249, AL034423, AF111168, AC005625, AC003663, AC006312, AC007382, AC006146, AC003688, AP000688, AL050318, AL049636, AL024508, AL121603, AF001548, AC006101, AP000704, AC007314, AC005620, Z46936, AC002492, AP000141, AL049631, AL121754, AF002223, AL049643, AC005180, AC005529, AC007227, AC006538, AC005067, AC005072, AL022721, AC005224, AP000687, AC005746, AP000502, AF111167, Z82203, AC007068, AL133445, AC000052, AC007421, AC006006, AL031255, AC005696, AC004655, AC005081, AC002425, AL133245, AC004770, Z83845, AL135960, AJ131016, AC002349, AL122020, AL049760, Z85994, AC007637, AC004966, AC007182, AC005037, AL096701, AF031078, AC005206, AC002997, AP001054, AP000505, AP000514, AC005225, AC009501, AC022517, AL133371, AL034429, AL035681, AF030876, AC005229, AC007388, AC002996, AL022311, AC007385, AC006271, AC008115, AC005480, AB022785, AC006455, and AP000023.</p> <p>AL061313, AA551798, AW022796, AA743968, T61477, AL636734, AA604831, AL271762, AL054418, AA598605, AL538236, AA573000, N51140, H57752, AW002330, AA857812, R33091, AA228979, AA229823, F17537, AA402609, AW268322, AA828860, AW069227, AL041375, AL472736, AW341955, AA584765, AA077619, AL889579, AA626829, AL679759, AL886736, AL052776, AL188390, AL249365, AL082353, AW265279, AW265276, AL340700, AA084148, AL042735, AW339422, AW440568, AL354333, AL251944, AA342238, AA516025, R99533, F35684, AA515921, AL445373, AA430652, AL250552, AL251034, AL254770, AL284543, AL264579, AA678932, AL054090, AL133514, AL049630, AL634187, AL246061, AW081610, AW271917, AW265688, AA568204, AA570740, AA483606, AA302812, AL457313, AA480486, AA558404, AA469230, AA371410, AA302978, F17700, AA502825, T03928, F30251, AL120141, AA557982, AL189682, D51877, AW265359, AA715983, AA135988, AW237905, AL217131, AA715962, AA599080, AW242031, AL889995, AA483583, AL114733, AL133552, T94072, AL251284, AL251203, AW273201, AW273146, AL223626, AL249853, AL251241, AW340905, AA468494, AA581525, AL046519, AL049534, AW301483, Z98884, AL022316, AC004941, AL035086, AL009181, AC005046, AC005996, AL121603, AC005060, AL031120, AC004253, AC000353, AC005102, AP000502, AL031733, AC004895, X87344, AC005180, AL031290, Y10196, AL080243, AC005089, AC005828, AC005031, AF196969, AF001549, AC004922, U95740, U91326, AC002300, AC004757, AC002316, AC005264, AC002312, AC007546, AC005685, AC004859, AC005962, AL049569, AC002038, AL009031, AC002326, AC005730, Z75888, AC006960, AC020663, AL049776, AC004534, AC004769, AF064861, AC006211, AC001228, AC002550, AF017104, AC005544, AC006241, AC003029, AL033376, AP000279, AC006141, Z77852, AP000691, AC003684, AC004383, AC004887, AP000106, AP000038,</p>
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HTWJL91	6324	789487	1 - 533	15 - 547	N91175, AA608955, and AI918281.
HTWJM05	6325	850055	1 - 403	15 - 417	AA649642, AA652057, AA441788, AI653905, F25867, F16274, AW088058, AI352078, AA601892, AA493170, AA095511, AA947370, AA553465, AA371567, AW265253, AW236342, AA649705, AA125788, AL1110770, AW341900, AI076616, AA195545, AA364429, AI284640, AI281881, H78195, AA578391, AW089322, AA347927, AA347930, AA845813, W95841, AA355281, AA847741, AA917683, AW406447, AA808928, F34510, AI281903, RI13151, AI282336, AA632837, AA831375, AI434695, AA381858, AA229785, AA325699, AI246796, W79504, AI709365, AA713891, AA352803, AA634238, AA551552, AA179792, AA551201, AP000555, Y18000, AC005529, AL035458, AF017257, AC004638, AC011592, AF227510, AC005694, AP000141, AC004685, AC005901, AL121653, AC005015, AL035415, AC006480, AL022238, AC005209, AC003101, AC005940, AC010170, AC004854, AC002350, AC002300, AF111168, AL096701, AC008039, U95740, AC006040, AC006468, AC005081, AF130247, AC005899, AF130342, AC008055, Z82189, AC005295, AL049834, AL034402, D87675, AP000459, AL121652, AJ251973, AC004167, AL049835, AL109654, AL031666, AC008079,

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HTWJO45	6326	717592	1 - 179	15 - 193	AA904337.
HTWJO19	6327	668466	1 - 329	15 - 343	AC005730.
HTWJY82	6328	698335	1 - 116	15 - 130	AC004815.
HTWKG30	6329	691882	1 - 125	15 - 139	
HTWKN53	6330	728014	1 - 256	15 - 270	AW162799, AW163173, AW163379, and AI003011.
HTWKT61	6331	709451	1 - 104	15 - 118	
HTWKX27	6332	574092	1 - 423	15 - 437	T95930, F16198, AW023111, AI870453, AA225406, AW272294, AI858889, AI635028, AA224593, AI567391, AA493947, AI923451, AI587467, AI192440, AI628859, AI860751, AA297011, AI572680, AW168103, AA077619, AI923458, AL120004, AI272649, AA938390, AA384890, AA558404, AA225938, AA722336, AA551056, AI439393, AA425924, AW105737, AA526643, AA320105, AA663074, AA612727, AA470578, N25564, AA904211, W81372, AA650447, AI358712, N36994, AI609972, AA487300, AI798407, AI421257, AA309634, AI792439, N95156, AA570441, F17537, AW162227, AW157731, H58891, C06142, AA598736, AC005037, AC005920, AL008635, AL035685, AC003687, Z98200, AL121652, AC006515, AC007676, AL035071, AC005531, AC007707, AL031311, AC006060, Z84469, AF128525, AL096763, Z86090, AL020997, AC005318, U91321, AC007993, U96629, AL049776, AC007688, AC007226, AL135783, AL031665, AC006020, AL109758, AC005488, AC006449, AC007225,

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HTWKZ04	6333	614980	1 - 430	15 - 444	
HTWKZ17	6334	529749	1 - 351	15 - 365	
HTWLD37	6335	841951	1 - 491	15 - 505	
HTWLG13	6336	656772	1 - 325	15 - 339	
HTWLG76	6337	795694	1 - 527	15 - 541	AL045209, AL138331, AL080135, and AC004810. AL126506, AL200037, AW024969, AW020616, AW450603, AL695490, N26904, AL217597, AL829099, AA568193, AA605122, AA743134, AL160533, AL128843, N25625, N24885, AL1312534, AL802647, AA648514, AA729493, AL219599, AA806507, H86995, AA729125, AA568681, N36303, AL032141, N34223, AA768761, N35103, N26781, R73137, AW298649, N25653, AA543074, W52651, AW453038, AL674252, AW452862, AA988539, AA296449, N28403, AW074182, AL805445, AW236299, AL361669, AL299683, AL452444, AL039557, AL141901, R26304, N72137, AL984739, N34254, AA358828, AA653691, N20053, N39790, H86994, and W00385.

HTXAK52	6338	869460	1 - 251	15 - 265	
HTXAK78	6339	530137	1 - 335	15 - 349	
HTXAO23	6340	676386	1 - 119	15 - 133	
HTXBF75	6341	963029	1 - 312	15 - 326	AC008039.
HTXBH24	6342	418592	1 - 231	15 - 245	
HTXBJ36	6343	529759	1 - 219	15 - 233	
HTXBJ92	6344	706472	1 - 492	15 - 506	AA694368, AI076400, AI911488, and AL135744.
HTXBK75	6345	869401	1 - 159	15 - 173	AC004472.
HTXBN83	6346	781443	1 - 236	15 - 250	N28694, and AL049779.
HTXBO11	6347	967750	1 - 387	15 - 401	AC012627.
HTXBO21	6348	869461	1 - 320	15 - 334	Z77852.
HTXBO51	6349	970855	1 - 726	15 - 740	
HTXBX49	6350	529662	1 - 225	15 - 239	AA954908, AA234392, AA554743, AA232663, AA641221, and AW029502.
HTXBX77	6351	529661	1 - 341	15 - 355	
HTXCJ32	6352	529615	1 - 431	15 - 445	AA134057, W60233, X81403, AF008203, and U96109.
HTXCL28	6353	952022	1 - 165	15 - 179	AC005730.
HTXCJ76	6354	765655	1 - 576	15 - 590	AA213831, AC002472, and AC007664.
HTXCW16	6355	522365	1 - 253	15 - 267	AL021393.
HTXCW27	6356	491257	1 - 564	15 - 578	
HTXCX05	6357	932476	1 - 289	15 - 303	
HTXCX16	6358	537413	1 - 219	15 - 233	
HTXCX84	6359	924996	1 - 229	15 - 243	
HTXCZ16	6360	537485	1 - 439	15 - 453	N92159.
HTXDG37	6361	968886	1 - 552	15 - 566	AI693917, AW295593, AA831020, AW702412, AA976179, AA765705, AA731457, AA350911, AA810783, AA732410, AA928152, AW304453, AA906028, and AI695679.
HTXD151	6362	537474	1 - 262	15 - 276	
HTXDO50	6363	537487	1 - 426	15 - 440	
HTXDQ25	6364	869369	1 - 365	15 - 379	
HTXDS80	6365	869435	1 - 70	15 - 84	
HTXDW14	6366	966588	1 - 1237	15 - 1251	AI829096, AA642981, AW152343, AW251072, AI871224, AW071985, AI978921, AI623713, AI762266, AI677795, AW117876, AI494363, AW009386, AI672747, AA458937, AA593002, AI660303, T57200, AA236101, AA653968, AA889703, AI633328, AI566555, AI568693, W49620, AI129215, AA725435, AW072937, AI424429, AI686112, AI659610, W48794, AA903402, AW407304, AA676879, AA027201, T55953, AI220314, AI538498, AA084808, AW009784, AA235819, H62064, AW083416, AW087223, AW068082, AA121077, AA084809, H45963, AI650521, AA027200, AA459151, H61158, AA399478, AA293409, AA454941, and AI918169.

HTXDX61	6367	784768	1 - 411	15 - 425	AW403861, AW408474, and AL023755.
HTXDX82	6368	931113	1 - 552	15 - 566	AC004895, AL096791, AC006023, AL049758, AC005837, AL031651, and AC004834.
HTXDX01	6369	921486	1 - 301	15 - 315	
HTXEA41	6370	974530	1 - 408	15 - 422	T78301, and AL022328.
HTXEA62	6371	812833	1 - 372	15 - 386	AW405413, AA353813, and AA381548.
HTXEC53	6372	529755	1 - 500	15 - 514	AA176859.
HTXEE70	6373	537405	1 - 272	15 - 286	
HTXEM54	6374	764221	1 - 455	15 - 469	AI936768, AI356580, AI143875, AI445933, AI623391, AI091508, AI016436, AA843275, AI634953, AI097033, AI343882, AW383962, H59109, AI923443, AA430386, AI127186, AI343898, AI075102, N92435, AI950068, AW009389, H45798, AW162266, AA749379, AA421159, W52668, AA557505, AA397847, C05210, AA975241, AI420624, AA746044, N94429, N71146, N41774, AA680312, H72570, R81293, T81890, AI074236, AA405255, H65279, AA514243, AA448899, AA838218, AI815068, AW152092, AI160804, AA935040, AA284883, AI816986, AI380091, AA041377, AI024256, AA931271, AI278531, AI074208, AA287368, AA653509, AA873636, AA477128, AI367990, R89302, AI808213, AA825323, AA126677, AA464570, F35772, AI817348, AI744978, AA832261, AA612964, AA708347, AA659795, AI346987, AI720049, AW044578, AW172820, AA588835, AI635843, AA081185, AA477374, AI929800, AW071157, T50155, AA039332, F25719, AW003379, W74217, AI934851, AA436429, AA427865, AA806434, N32773, AA287506, AA429288, AA081295, W15647, AA085871, AA568565, AI129242, AA476577, AA489518, AI200308, AI364059, AA284614, R53178, AA954681, AW190970, AI241959, W30776, AA652668, AW328731, R82993, T83974, AA868075, AA385487, AA592907, AA464673, W52667, AA832337, AA129279, C05561, AW291918, AI459882, AA761016, AW301144, AA483524, AA678902, AI016411, W42678, AI383729, AA489517, T58548, AA368569, N70036, R89303, AA411549, AA041417, AI014648, AI279385, AW050747, R37644, R81187, R53087, AA039417, AW448949, N80829, H78214, H72970, AA127289, AI208609, AA386232, W44978, AI420322, W79938, AW089501, N41749, R24418, AI471390, AI219019, C01008, T51003, AI379130, AA291664, AJ011916, and AC003688.
HTXEP20	6375	537483	1 - 227	15 - 241	
HTXEP49	6376	722181	1 - 387	15 - 401	AA167183, AA481795, and AC005837.
HTXEP76	6377	527697	1 - 352	15 - 366	
HTXEQ05	6378	932471	1 - 223	15 - 237	
HTXET61	6379	537471	1 - 233	15 - 247	
HTXET67	6380	783784	1 - 275	15 - 289	
HTXET75	6381	664468	1 - 222	15 - 236	AC005630, and AC006328.
HTXEW14	6382	932437	1 - 206	15 - 220	

HTXFB03	6383	924995	1 - 304	15 - 318	
HTXFB78	6384	869408	1 - 272	15 - 286	
HTXFB95	6385	537399	1 - 320	15 - 334	
HTXFC07	6386	918644	1 - 594	15 - 608	AI241496.
HTXFD75	6387	537401	1 - 254	15 - 268	
HTXFE47	6388	790855	1 - 452	15 - 466	
HTXFF04	6389	615593	1 - 641	15 - 655	R99264.
HTXFF66	6390	973429	1 - 723	15 - 737	
HTXFF91	6391	780083	1 - 347	15 - 361	
HTXFI58	6392	557838	1 - 314	15 - 328	AW051648, AC002349, AC005040, AC006975, AC004131, AB020874, AC005243, AL109941, AL031393, AC006536, AC006062, AC002460, AF156545, AC006516, and AP000080.
HTXFK45	6393	523385	1 - 387	15 - 401	
HTXFN69	6394	869397	1 - 463	15 - 477	
HTXFQ65	6395	926534	1 - 509	15 - 583	
HTXFS95	6396	796025	1 - 328	15 - 342	AA084950, AL036349, T03401, AA558426, AA526343, AA009855, AA192293, AL048376, H38817, AI469384, T07225, AA303598, AA226770, AA642809, AA640310, AA745373, W02437, R48980, AW087226, AC020663, AB026906, U91320, AC005197, AP000011, Z98052, AC002425, AC007731, AC005500, AP000510, AC008115, AP000268, AP000102, AP000033, AC005535, AB023048, AC007226, Z93020, AP000563, AL022721, AC002310, AC005971, Z99716, M33132, AC006001, AC004765, AL033392, AP000133, AP000211, L44140, AC005837, AP000466, AF050154, AL049780, AC006544, AL050321, AL080243, AC007055, AF111167, AC005399, AL009181, AL021939, AC003108, Z93017, AL031602, AC002350, Z98750, AL096703, AC002546, AC005944, Z93241, AC002544, AC006948, AD000092, AC005280, AJ003147, AC007276, AC003085, AC005763, AC006571, AC005932, AC005632, AC006121, AC002477, AC004686, Z83826, AL034451, AC003109, AC005519, AC005071, Z98200, AL035684, AL031311, AP000212, AP000134, AP000030, AF030876, AC005360, AL021546, AC007676, AC005529, AL023575, AL133371, AC006023, AP000345, AC006125, Z69707, AC009247, AL133445, AP000088, AF031075, AC002094, AC003983, AC005940, AC006539, X55448, AL109827, AC004910, U91326, AC007462, AC002395, AL031662, AC002400, AC007057, AB020861, AC005049, AL035587, AL023880, Z98941, AC005291, AC005262, AC016831, AL117694, U63721, AP000555, M15366, AL121748, AC004583, AC007686, AC007114, AC005764, AC005902, AC005225, AC009516, AC003950, AC005531, U78027, AC005527, AL021977, AL021918, Z69042, AC008041, AL050318, AL022323, AL035464, AC005015, AP000553, AC003962, AL035422, AC005772, AL031848, AC003043, AC015853, AC003025, AC004596, AL009179, AL096791, AC007919, U91318, AC007283, AP000269, AC005033, Z99943, AC008040, AC006449, AC003072, U91323, Z97181, AC004659, AC004024, AP000032,

HTXFT03	6397	924952	1 - 87	15 - 101	AP000103, AC007229, and AC006509.
HTXFT60	6398	923937	1 - 343	15 - 357	U61375.
HTXFFV22	6399	937491	1 - 331	15 - 345	AC005057, and AF045555.
HTXGB20	6400	933878	1 - 86	15 - 100	AL034375.
HTXGB65	6401	577711	1 - 650	15 - 664	AA084084.
HTXGD30	6402	529724	1 - 173	15 - 187	
HTXGL73	6403	529745	1 - 229	15 - 243	
HTXGN76	6404	527016	1 - 487	15 - 501	AI148063, AA252523, AA297161, F12840, T74733, A1765490, and AL050283.
HTXGO74	6405	869391	1 - 70	15 - 84	
HTXGQ37	6406	575461	1 - 308	15 - 322	
HTXHA16	6407	661818	1 - 421	15 - 435	AA362857, R82020, R82878, and AA229827.
HTXHD24	6408	727469	1 - 266	15 - 280	N40823, AA366086, W42954, R70423, AA252002, AA306794, AA524713, AW245923, AA210862, AA093155, AA281810, R52220, N35269, AA258914, W57948, and AW328480.
HTXJA66	6409	698461	1 - 391	15 - 405	Z99716.
HTXJB15	6410	660059	1 - 301	15 - 315	
HTXJB35	6411	707768	1 - 342	15 - 356	T48959.
HTXJC65	6412	666565	1 - 310	15 - 324	AI364902, and AA665393.
HTXJE76	6413	745813	1 - 305	15 - 319	AL133243.
HTXJF30	6414	692607	1 - 442	15 - 456	AA834596.
HTXJG06	6415	933230	1 - 516	15 - 530	Z84483, AL022151, and AC004456.
HTXJG19	6416	974010	1 - 355	15 - 369	
HTXJG23	6417	675315	1 - 521	15 - 535	
HTXJG53	6418	752160	1 - 1038	15 - 1052	AI134541, H41036, R33553, H42427, AW374362, AW374429, AW374421, AW374386, AW377436, AI743773, AW189062, AI743778, and D80002.
HTXJH73	6419	582143	1 - 357	15 - 371	T03401, AW340825, AI679753, and AI446158.
HTXJH68	6420	912611	1 - 541	15 - 555	AI929022, AW163374, N26287, AI698163, AI808675, AI499009, AW085191, AW025963, AI755143, AA781965, AI937942, AA778160, AI928943, AW157001, W84345, AW368475, AW275950, R99189, AW275930, AA906459, AI697616, AA905632, AI142546, AA703929, AA226492, AW157319, AA018804, AA084374, AA488608, AI879125, R99188, H80954, W84318, AA088835, H09853, T57108, AA221003, N39466, T11253, AW369153, AI738969, AW452770, AA045453, AA214461, AA149728, N36179, H80858, AL045542, AI470608, AA149794, N44167, AW069420, AA377776, AW237362, R78054, F00825, AA310214, AF112206, AF152463, AF203689, and M83680.
HTXJJ55	6421	959169	1 - 377	15 - 391	
HTXJK23	6422	675782	1 - 424	15 - 438	

HTXJL01	6423	916254	1 - 732	15 - 746	AA411753.
HTXJL02	6424	919691	1 - 469	15 - 483	AA436940, AI884861, W00387, AA488508, T56025, F35684, AA502125, AA857812, AA513219, AL031287, AL034562, AL031133, AL031729, AC007540, AB007960, AC005681, AF134726, AC005480, AL035072, AL132777, AC005740, Y10196, and Z82189.
HTXJM73	6425	783572	1 - 387	15 - 401	AC005562.
HTXJN04	6426	566887	1 - 1574	15 - 1588	AI278972, AI355007, AA613761, AW089589, AI476049, AA644090, AI254779, AA084609, AA833896, AA833875, AW302017, AA613624, AW007662, AI732720, AI061313, AA077737, AL047429, AW150226, AI249473, AI734119, T57767, AA077637, AW169038, AI049534, AI891070, AA487209, AL096712, AC005519, AC004000, AC005620, AF001549, AC006121, AJ246003, AL122020, AC005377, AC004816, AC006064, AL080243, AC004797, AL133245, AC005231, Z85986, AC005225, AC004821, AC007226, AL031311, Z93241, AC005736, AL035420, AC006958, AC002303, U85195, AC007917, AP000503, AL031284, AC002378, AC003982, AL121658, AF111168, AF196779, AC005859, AE000658, AC005755, AC007376, AC005837, AL096791, AL020993, AL139054, AF053356, AC006480, AC004596, AC005921, AL020995, AC006312, AC003101, AC005863, AC006530, AC007999, AL035685, Z84469, AC005829, AC005261, Z86090, Z98036, AP000133, AP000211, AC005004, AC000026, AC004491, AC005300, AL117330, AP000553, AL050307, AC005057, U62293, AC002059, Z99716, AC005839, AP000555, AL031281, AL117337, Z94801, AF200465, AC007216, AC005102, AL035683, AC002369, AL035086, AC005488, AL109627, AC016025, AC006388, AC007845, AC007993, AC005399, AL031588, AC004799, AC008151, AL035659, Z93017, AC005206, AC004686, U95742, AC005514, AL031005, AC004876, Z95152, AC007686, AC004217, AC002350, AF196971, AC005971, U93305, AC006211, AC006124, AF111167, AC004106, AC004841, AC004659, AC005015, AF038458, AL117258, AC004584, Z97876, AF176815, AC002996, AC002470, AC004991, AC006071, AC006050, Z98051, AL022237, AL022320, AF205588, AL031186, AL049839, AC005529, AC004883, U62317, AC005037, AC007537, AC005632, AC007774, AL024498, AC000052, AC005667, AC006581, AC006080, AC005527, AC004084, AC006571, AC002425, AC006013, AC005920, AP000030, Z15025, AC004099, AL031774, AC005280, AC005670, Z84480, AF134726, AL109984, AC002477, AC004382, AC005081, U91321, U89335, AC002300, AB023049, AC005291, AC004598, AL022238, AC004805, AC004895, U96629, AP000694, Z85987, AF010238, AC005089, AL109801, Z97056, AP000201, AL035400, AP000513, AC004408, AC004851, AL121655, Z84466, AC002551, AC002312, AC005391, AL049757, AL132712, AL035079, AC004386, AC005379, AP001052, Z98941, AC012384, AC006615, AL121603, AF109907, AL135744, AC005031, AL050321, AF064861, AL031685, AL022315, AC009247, AC007030, AL031680, AC005778, AC002314, AC007536, AC004520, AL021154, AC005005, AC005821, AC007371, AC005581, AP000097, AL031683, AL031602, AC000353, AF047825, AC009516, AC006930, AP000117, AL049795, AL023553, AF190465, AL133448, AP000557, AL031651, AP000299,

HTXJN68	6427	752940	1 - 362	15 - 376	AL133445, AC008040, AL096701, AC002543, AL049758, AC006544, AC002544, AC004913, AC007055, AL031447, and AC004231.
HTXJO34	6428	703973	1 - 216	15 - 230	AW401809.
HTXJO61	6429	663153	1 - 535	15 - 549	U73636.
HTXJO85	6430	869123	1 - 575	15 - 589	AA634244.
HTXJP28	6431	974315	1 - 601	15 - 615	AC002303.
HTXJQ73	6432	719077	1 - 539	15 - 553	
HTXJR67	6433	739586	1 - 168	15 - 182	
HTXJS64	6434	746481	1 - 589	15 - 603	
HTXJV49	6435	867083	1 - 852	15 - 866	AW005663, AW071763, A1589576, A1421189, A1073924, A1421482, A1417338, A1885651, AW129633, AW206726, A1374763, A1253156, A1138654, A1198796, A1278638, A1865555, A1201794, AW245078, A1675781, A1078333, A1283026, AA550952, AW005870, AW001162, AA782579, A1040632, H09745, AA223086, AW246209, AA931459, W73383, A1124006, D60111, AA602382, A1183736, AA256089, T79631, A1269764, W73444, A1284851, A1784306, AA911501, AW169802, AA865002, N92173, H09833, C14754, AA206562, AA830231, A1128560, T79716, AA137269, AW169019, and AC007637.
HTXJW56	6436	859854	1 - 466	15 - 480	AL031005.
HTXJY51	6437	872233	1 - 259	15 - 273	
HTXKB42	6438	841986	1 - 348	15 - 362	A1219169, F24728, AA714011, A1460009, AA484164, AA583394, AA584125, AA833896, AA608645, AA833875, AA084609, R60935, A1273847, AA228459, A1561210, M87890, AC004859, AP000251, AL031311, AP000212, AP000030, AP000134, AC005228, AC004383, S42652, Y18000, AL022313, AL022322, AC007216, AP000501, Z82203, AL035587, AC005089, AC005746, AC004150, AC005037, AL035683, AL020997, AC005694, AL021407, AC005529, AC002544, AC005207, AC005088, U52112, AL031295, AC004801, AC005081, AC005971, Z85996, AC004662, AL133163, AC009044, AC004817, AC005320, AL049569, AL020995, AC005015, AC006057, AC005913, AC004832, AC005837, AC004477, AC000029, AC002059, AL049836, AC004929, Z97353, AC005476, AC006449, AF030453, AL096791, AC008044, AL035530, AL080243, AL049776, AC002310, AC005914, AL049636, AC002364, AC004139, AL008726, AL049779, AC004263, AL031680, AC009721, Y12855, AL133245, AC006050, AC009516, AC005257, AC002425, AC007129, AC000120, Z93928, AC004659, AC004883, AC005484, AF038458, AL121653, AC004834, AL135744, Z98946, AC002543, AC007676, Z97196, AC005346, AL024507, AC005225, AC005190, AL034402, AL133353, AC006254, AC005324, AC007298, AL096701, Z86090, AL034420, AL031984, A1109984, AC006539, AP000299, AC002994, I59642, AC007435, AC004216, AC002519, AF196969, AC010582, AC005291, AC006441, AC016025, AC004000, AL121603, AC005696, Z95116, U78027, U52111, AC004805, AC007198, AC005668, AF031078, AC002076, AC005899, AC005839, AC004598,

						Z95114, Z98257, AC005800, AF030876, AC008041, AC006088, L39891, AC007993, AC006950, AC005274, AC005377, U91326, AL022316, AC004851, AC003010, AB023048, AC006480, AL049839, AC005011, AC004686, AC000026, AC004955, AC006948, AL122020, AL008718, AC005568, AC005261, AC005184, AP000704, AC004985, AF045555, AC002352, Z98884, Z83838, AP001053, AL031666, AC004991, AJ003147, AL035659, AL035422, AL031667, AC007785, U96629, AC005740, AC006101, AC007388, AC004039, AL109798, AP000045, AP000113, AC006211, AP000691, AF053356, and Z70280.
HTXKC23	6439	529756	1 - 229	15 - 243		
HTXKD62	6440	743435	1 - 272	15 - 286		AC004242.
HTXKH47	6441	720186	1 - 342	15 - 356		AL031774.
HTXKI93	6442	796245	1 - 251	15 - 265		W04224, AA134651, AL036175, AW249082, AW410595, AI929697, AW162954, AW161591, W26888, AA339543, W00383, AA219343, and F12127.
HTXKJ55	6443	671285	1 - 503	15 - 517		AA531436.
HTXKJ58	6444	574788	1 - 570	15 - 584		AB002344.
HTXKJ89	6445	767234	1 - 373	15 - 387		
HTXKJ95	6446	795788	1 - 338	15 - 352		H83011, AA973913, AI089968, AI088759, AW026427, AW071109, AA625665, AA334666, AL110391, AA984920, H81181, R09127, R13548, AI090576, AA528641, R96693, AA782301, AW188869, AI187148, AW438662, AI570019, AW438850, T86740, N92157, AA991990, T98482, AA714930, AW075881, AL118625, AA302690, AL038963, AA489860, AA833828, AW022934, AW021161, AA491438, AA654212, AL134009, AA350595, AL134586, H90688, AI336398, AA501781, T08205, AC007182, AF031076, AC004685, AL049795, AP000512, AL031774, AC004883, AF111167, AF031078, AL031905, AF030876, AL022316, AC000085, AC003109, AC006023, AL117258, AC005200, AL078596, AL008719, AL020997, AL031728, AF111168, AC005553, AL049538, L47334, AC005081, AC003982, AL035079, AC004832, Z75887, AC004987, AC007666, AC005803, AC006273, L44140, AL031283, AL078463, AC005067, AC007955, AL049832, AC004686, AC007425, AL109758, AC005102, AC002994, AC005071, AC005212, AC006241, AL031286, AL031729, AC002511, AC004216, AF111169, AL117354, AC004491, AC005288, AC004777, AF053356, Z94056, AC004382, AL035410, AC004522, AC005187, AC005409, AL121748, AC008372, AC005527, AC006509, AC016830, AC005332, AC005015, AL022238, AJ003147, AL022336, AC004662, AL031230, AC002375, AC000079, AC002551, AP000210, AP000132, AC006057, AC000059, Z93930, AC005529, AC007437, AL133382, AC005520, AC004983, Z97989, AP000249, AC000052, AC005944, AL109627, AP000336, AL079342, AL034419, AC003026, AC002287, AC004990, L78744, AL031673, AC002550, AC005585, AC005899, AB023050, AL096801, AC003665, and AL050348.
HTXKK62	6447	751050	1 - 423	15 - 437		AW339481, C04332, AA383551, and AC006449.
HTXKM25	6448	664886	1 - 335	15 - 349		AL119878.
HTXKM84	6449	782951	1 - 375	15 - 389		AL117354.

HTXKN90	6450	787551	1 - 316	15 - 330	
HTXKP42	6451	713631	1 - 646	15 - 660	HI0896, R61720, H23341, and H29365.
HTXKQ25	6452	934801	1 - 574	15 - 588	H01126, and AB018275.
HTXKQ55	6453	947789	1 - 353	15 - 367	AW299519, and U80034.
HTXKS02	6454	919676	1 - 279	15 - 293	AC002096, AC007774, AL008718, AC005832, AP000093, AP000237, and AC004933.
HTXKU69	6455	754404	1 - 479	15 - 493	W47063, AI025911, AA401720, AA292887, and AL031295.
HTXKV16	6456	869348	1 - 490	15 - 504	Z98750.
HTXKV38	6457	918567	1 - 755	15 - 769	
HTXKZ89	6458	786409	1 - 291	15 - 305	
HTXLA63	6459	917316	1 - 422	15 - 436	Z99128.
HTXLD06	6460	934555	1 - 936	15 - 950	D80391, D59502, D59787, D59859, D58283, D59619, C14389, D80210, D80164, D80240, D80043, D59889, D80022, C14331, D59275, D80219, D51423, D80166, D80195, D80253, D51799, AA305409, D80227, D59467, D81030, D80212, D80196, D80188, D59927, D57483, D80024, D80038, D80269, C15076, D80193, D80366, D50979, D59610, D50995, C14429, D80378, D80045, D80241, D51060, C14014, T03269, D51022, AW178893, C75259, AW179328, AW177440, AA305578, AW378532, D80134, AW178775, D81026, D80251, AA514188, D51250, D80248, AW178762, D80522, AW369651, AA514186, AW360811, F13647, AW352158, D80168, D80133, D52291, D51079, AW177501, AI910186, AW177511, D58253, AW375405, D80268, C14227, C14298, D81111, C05695, AW352117, AI905856, AW366296, AW176467, AW377671, AW360844, AW360817, AW375406, AW378534, AW179332, AW378540, AW377672, AW179023, AW178905, C14407, D80132, D80064, C06015, AW177505, AW352170, D80247, AW179019, AW179024, Z21582, AW179018, AW360841, AW178908, AW177731, AW177456, AW179329, AW178980, AW177733, AW378528, AW178908, AW178754, AW352174, AW179012, D51103, AW378525, AW360834, D51097, AW179004, AA285331, T11417, AW178914, AW378543, C14077, D80157, AW177722, AW367967, AW177728, AI557751, D59503, AW179009, D51759, AW178774, AW178911, AW352163, AW178983, D58246, AW352120, AW178781, T48593, D59653, AW177723, D58101, D80014, D45260, AW177508, AW378533, D59627, D80258, AI535850, C03092, C14975, H67866, AW367950, H67854, AA809122, AW177497, AW178986, AI525923, D51213, AI57774, D51221, C14344, AW177734, T03116, AI525917, D59317, C14973, D60010, D45273, D59551, D59474, AI525920, AA514184, AI535686, D51231, C14046, D50981, C14957, T02974, D60214, AI525227, AI525235, AW378539, AI525925, C16955, T03048, AI525242, Z33452, AI525912, AW378542, C05763, AI525215, AI525222, H67858, AI535961, AW360855, F13796, AI525237, AL035588, A62300, A84916, A62298, AJ132110, AR018138, X67155, Y17188, D26022, AF058696, A25909, AB028859, A67220, D89785, A78862, D34614, AR008278, D88547, I82448, X82626, AR025207, Y12724, A82595, A94995, AR060385, AB002449, AR008443, AB012117, X68127, I50126,

HTXLD68	6461	752484	1 - 356	15 - 370	<p>I50132, I50128, I50133, A85396, AR066482, I19525, A44171, AR066488, AR016514, A85477, AR060138, A86792, A45456, A26615, AR052274, U87250, X93549, Y09669, A43192, A43190, AR038669, AR054175, AR066487, AR066490, A30438, I18367, I14842, D50010, Y17187, D88507, A63261, AR008277, AR008281, X64588, AR008408, I79511, AR062872, A70867, AR016691, AR016690, U46128, AF135125, D13509, A64136, A68321, AR060133, U87247, U79457, AF123263, AB033111, AR032065, AR060382, X93535, and AR008382.</p> <p>D51799, D59502, D80195, C14389, D80164, C15076, D80038, D59467, D59275, D80227, D81026, D80022, D58283, D80166, D80193, D59859, D59619, D80210, D80391, D80240, C14331, D59787, D51423, D81030, D80253, D80043, AW177440, AA305578, D80269, D80212, AW360811, D80196, D80188, D50979, D80219, AA514188, D80045, D59927, D57483, AA305409, D59610, D80378, D80366, D51022, D59889, D50995, D80024, T03269, D80248, AW375405, AW179328, AW178893, D80241, AA514186, C14429, D80522, D51060, D80251, C14014, D80133, AW366296, AW378532, AW377671, AW360844, AW375406, AW360817, AW378534, AW179332, AW377672, AW179023, AW178905, AW177501, AW177511, AW377676, AW178762, D80302, AW352170, AW352174, D51250, C75259, AW352171, AW177731, AW178775, AW178907, AW179019, AW177505, AW179024, D80268, D80132, AW352158, C05695, AW179020, AW360841, AW178909, AW177456, AW179329, D80134, AI910186, AW176467, AW178980, AW177733, AW378528, AW178906, AW178908, AW178754, AW179018, D58253, D80439, AW352117, D80247, D59695, AW367967, AW179004, AW179012, AW178914, AW378525, C06015, D52291, AW177728, AW177722, F13647, D80064, AW179009, D80949, AW178774, AW178911, AW378543, AW352163, D51103, D80168, T11417, D59503, C14227, AI905856, AW178983, D81111, D80157, D58246, T48593, AW178781, AW360834, C14298, C14407, D51759, AW378540, C14077, AW177723, AW352120, D59627, AW177508, AW378533, D80258, D51097, Z21582, D58101, AW367950, AA285331, AW177497, C14975, D45260, D59317, AW178986, AW177734, H67866, AI525923, H67854, T03116, C03092, AA809122, D80014, AI557751, D51213, D45273, AI535686, D59551, AI525917, C14973, AI525920, C14344, D51221, D59474, D60010, D60214, AA514184, AW378542, AI525227, T03048, AW378539, C14046, AI525928, AI557774, AI525235, AI525925, AI525242, AW360855, T02868, AI525215, D59976, AI525912, AI535850, C16955, C05763, Z33452, T02974, AI525237, H67858, AC004466, A84916, AJ132110, A62300, A62298, AB028859, AR018138, AR008278, AF058696, D26022, A25909, Y17188, Y12724, A67220, D89785, A78862, D34614, X67155, A82595, D88547, AR060385, A94995, X82626, AB002449, AR008443, I82448, AR016808, I50126, I50132, I50128, I50133, AR025207, AR016514, AR060138, A45456, A26615, AR052274, AR066488, AR066490, A43192, A43190, AR038669, I18367, Y09669, AR066487, A30438, AB012117, I14842, D50010, Y17187, A63261, X68127, A70867, AR054175, AR008408, AR062872, A85396, D88507, AR066482, A44171, A85477, I19525, A86792, AR008277, AR008281, A64136, A68321, X93549, AR016691, AR016690,</p>
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HTXLE37	6462	790392	1 - 293	15 - 307	U46128, D13509, AR060133, I79511, AR032065, U79457, AF123263, AJ000347, and AR008382.
HTXLE56	6463	861983	1 - 603	15 - 617	AA593263.
HTXLE75	6464	766798	1 - 657	15 - 671	AC002073.
HTXLE79	6465	774125	1 - 418	15 - 432	AJ949292.
					AA321018, A1749306, AA078391, A1934548, AA317973, AA321148, A1890971, A1798136, A1032984, A1473090, AA938132, AA630245, A1751519, AA577719, AA345188, AA451326, A1282821, AA719817, N54128, A1671041, AA908595, AA601645, A1241976, AA614595, AA584148, A1570118, AA650183, A1311226, T97590, AA810374, AA018757, AW068020, AA657534, AW021154, AA599241, A1913307, D11859, AA676621, AL044177, M77895, A1869786, AA984543, H95286, AA442384, AW008231, AL044086, A1921188, A1583677, N34258, T06876, AL133163, AC007666, AC000052, AC004019, AL109627, AC006208, Z97054, AC009275, AC008154, AL033379, AC008124, AC005164, AL031427, AC005027, AL118497, AC000395, AF139813, AC005049, AP000269, AC006048, AL118510, AC000029, AC005799, AC008039, AC005225, AC004106, AP000103, AL034423, AC007151, AB018341, AP000300, AP000113, AP000045, AC008064, AC006500, AP000304, AL049856, AP000047, AC004454, AP000115, AL132712, Z97053, AC004185, AC005740, AL133312, AC004822, AC004832, AC006057, AL035461, AP000066, AC004815, AC005280, AL022316, AL049691, Z68288, D86995, AC005138, AC007938, U82695, AP000032, L05367, AC005320, Z82188, Z85986, AC007226, AC004526, U73023, AL031258, AC005621, AC005382, Z98886, AC004505, AL023579, AL049554, AC004408, AC004743, AP000466, Z98754, AC005484, Z84469, AC007057, AC008079, AP000509, Z69890, AC004495, AF020662, Z78021, Z95327, AP000089, AP000142, AP001068, AC001231, AP000697, AC002331, AP000696, AC007172, D87675, AJ011930, AL023913, AC005899, Z93244, AL008732, AF019413, AL024498, AC007671, AC012099, AC005495, AP000501, AL117330, Z74617, AL035209, AP000502, AC004991, AL031577, AC005094, AC006288, AL031666, AL031767, AL133485, AC007738, AC006353, D84394, Z73988, AL050347, AC005625, AC004783, AL031905, AL049843, AC006409, Z98950, AC005844, AC005509, AC004953, AL009181, AC003071, AF126403, U91323, AC005822, AC008126, AC005696, AC005874, AF134471, and AC006211.
HTXLF08	6466	958421	1 - 423	15 - 437	A1204494, A1653977, and AC002073.
HTXLO57	6467	790610	1 - 450	15 - 464	
HTXLG64	6468	974598	1 - 655	15 - 669	
HTXLH60	6469	869336	1 - 409	15 - 423	
HTXLI65	6470	974018	1 - 444	15 - 458	
HTXLI91	6471	787577	1 - 405	15 - 419	
HTXLJ70	6472	756679	1 - 618	15 - 632	AP000355.
HTXLK35	6473	840283	1 - 457	15 - 471	AA633787, AA737678, AA764873, N31505, A1051943, and A1310706.

HTXLK95	6474	795355	1 - 313	15 - 327	<p>AI002744, AA601125, AA502991, AL133909, AI832009, AW069819, N23504, AA630672, AL046549, AA631507, AI038149, R49657, AI907530, AA812139, AC004787, AC005031, AC005670, AC005295, AC003969, AC007055, AC007878, AC004140, AC005901, AL049780, AC006449, AL049539, AL023281, AC004477, U80017, AL034451, AC004237, AC004799, AP000049, AP000193, AP000311, AP000117, Z74618, AC004517, AC004655, AC007199, AL022322, AC005747, AC002301, AC005277, AC002553, AL049699, AC004609, Z83846, AC007845, AC007226, AP000251, AP000030, AP000134, AP000212, AC006142, AC004456, AL035587, AL031311, AL033525, AL080243, AC005057, AC006530, AL009031, AC002326, AL031681, AC004051, AC002045, and AC004966.</p>
HTXLL78	6475	773071	1 - 445	15 - 459	<p>AA812542, R48980, AA358258, R64617, T96238, T90484, AI821396, AA689351, AA706160, AA515924, AA910783, AW188791, AL046519, AI821390, AA740879, AI280574, T52786, AI343169, H38769, T90477, AA573693, AA601653, T56025, T58448, AA588611, AL041375, AA826033, T59605, AC005005, AC002994, AC006950, AC002331, AL078462, AP000497, AC006130, AC004448, AC005924, AL049708, AL109980, AL109854, Z92546, AC005355, AL050321, AC004079, AC006148, AC005484, AC003029, AL118523, AC006368, AC006287, AC005832, Z85996, AL031774, AC005800, AP000353, AC005686, L14561, AP000048, Z98051, AC002464, AL031281, AL049759, AC004838, AC004990, AL117337, AF205588, AC003013, Z84718, AF130351, AC002073, AF019967, AF191069, AF096876, Z68192, U73166, AC005765, AC004938, AC006468, AC005383, Z97056, AL132712, AL020997, AC004081, AC002543, AC004129, AC005747, AF001550, AC005237, AL049869, AC006443, AL035687, AC005266, AC008179, AC009516, AC005346, AL035407, AC003982, AC009399, AF111168, AC002385, AC004223, AC006511, AC004241, AL034402, AC005954, Z83840, AL079340, AL034561, U29895, AP000298, AP001059, AF039907, Z97630, AC004650, AC005694, AP000089, AP000141, AP000112, AP000044, AP000692, AL031293, AC004668, AC004955, Y18000, AC003663, AP000351, AP001052, AL031311, Z95152, AC005874, and AF134471.</p>
HTXLL89	6476	786475	1 - 436	15 - 450	<p>AI561060, AW070892, AA478355, H53984, AI306191, AI303894, F00107, AA483929, N86538, AW022065, AL135377, AA018823, AA774059, AI252176, AI382825, AA478866, AI124610, AA493975, AL120897, AA508359, AI088768, AI754253, AA654781, H18914, Z22960, AL121235, AW148507, AW022406, AA478867, AA493894, AA987843, AI254192, AA012964, AW103758, F05324, H29443, AA620983, T06754, T25806, AL044185, AA846876, AW327868, AA551552, AI873852, AL119649, AL036413, F01045, AA069445, AA832444, Z82250, AL031287, AC005101, AL023553, U66059, AC004686, AC008014, AF217403, AC000082, AP000690, AC004815, Z98941, AL031846, AB023049, AC003373, AL035417, AC000355, AC005943, AC005048, AC003081, AL022336, AC005043, AC000088, AC004069, AL050318, AC006449, X03340, AC008122, AL034429, AL050350, AC006501, U93305, AC004655, Z82206, AL079342, AF196779, AL109798, L13176, AL049559, AL096791, AL031311, AC005908, AC002072, AC009225, AC007227, AC002310, AC005682, AC000394, AC006046, Z82244,</p>

HTXLN72	6477	951958	1 - 256	15 - 270	Z93244, AL034374, AL035045, AC008044, AC006346, AL022718, AC005880, AC007676, Z83844, AC004687, AC005772, U47924, AJ006996, AP000390, AL078614, AC006479, AC007225, AC006371, Z82245, Z81314, AL049748, Z94056, Z97989, AL133238, AL109759, U65416, AB000878, AC002985, AC000026, AL049709, AL035555, AC004103, AC009501, AC007546, Z97055, AC006443, AP000223, AF181897, AP000086, AC006004, AL034553, AL049760, AL030307, AL035691, AC004990, AP000506, AF141309, M63543, M63544, AL080245, AP000359, AL121757, AC007172, AC006040, AC005386, AP000512, AC004992, AC005102, AC004460, AF200465, AC006480, AL136504, AC002480, AF111167, AC005859, AB000882, AL022323, AC005146, Z69917, AC004097, AL021878, and AL031281.
HTXLO02	6478	918658	1 - 505	15 - 519	AL050318. N58534, N78125, AL215964, AL147574, AA994388, AA308806, AL284640, AW338869, AW074398, AL814735, AA515435, IL64777, AW410400, N59638, F19258, AA610491, AA228329, AL110770, AW193265, AL171481, AL446464, AA340003, AA747472, AL229785, AL064864, AW339568, AA580662, AA683031, AA584749, AL205126, AA535661, AL053672, F36273, AW269488, AL963720, AA362700, AL334443, AL742771, AA318652, AL138265, AL349874, AL792108, F35113, AL610159, AL962050, AL937850, F31204, AA133986, AA558697, AL003172, AL917271, AL914706, AA551509, AA916039, N43757, AL015912, AL041706, AL287964, N71724, AA450199, AA831388, AW193432, AA515128, AF177861, AL669453, AW419262, AL921649, AL340453, AL376100, AW074207, AA828851, AA361344, F29989, AL624698, AA593060, AA365347, AW074059, AL356904, AL922654, AL564284, AL570138, AA366035, AL038785, AA715606, F37286, AA713815, AA164960, AA631507, AL350211, AA743956, AW029038, F25203, AA633936, AA714595, AL358229, AL061334, AL282907, AL339440, AA569187, AW406755, AL047643, AA077817, AL365988, AA733208, AL041368, AA747480, AL677758, AA838479, AL341664, W60516, AW339687, AL613280, AW188544, AW190289, AL635272, AL499181, AA838477, AL688846, AA359958, AL040547, H60216, AL339850, AL554289, AA745410, H60544, AL040130, AL561060, AL037914, AL287528, AL679379, N23874, AA658235, AL358343, AW103415, AL679888, AA350859, AL744739, AL431303, AL246340, AL469166, AL499094, AL929531, AW069807, AW069427, AL079935, AL830390, N73083, AA584458, AL079812, AW276827, AA559290, AA747276, AL613261, AL046409, AA682189, AL709365, AW166815, N26061, AW162049, AL879000, AL355224, AL133164, R93081, AA557879, H92005, AA292574, AA095511, AL557323, AL955323, AA904218, AW088058, AL357551, AA491814, AW264973, AL371070, AC006116, AC007676, AC007228, AC003081, AC000378, AC000353, AF176915, AC008062, AC009044, AC005294, AC007182, AC006213, AC002067, AL022721, AL121655, AL023284, AP000555, M87918, AC004987, AC007628, AL031081, AC006130, AL109807, AC007051, AC006948, AC007919, AC007842, AL031662, Z84719, AC005696, AB020859, Z98946, AC006582, AL021453, AC005182, Z94721, AC007245, AL133396, AL035086, AC004184, Z84475, AL031256,

					AC005002, AC008929, AC005206, AC005667, AC004638, AL049696, AC000362, AC004799, AF003627, AC006023, AC005962, AF001549, AC007684, Z49258, Z97196, AL035587, AC004010, AC007386, AC006537, Z99774, AL031728, AC005250, AL031965, AL035419, AC022517, AC007682, AJ131358, AB002390, AF217403, AC005787, AL008721, AC009784, AP001172, AC006254, AL031686, U73684, AP001042, AL031732, AL049760, AC006026, AF205588, AC006275, AP000349, AC004013, Z98046, AJ246003, AC006315, AL132712, AL132708, AP000350, AJ010770, AC009363, AC004221, AL033543, AL034555, AC005923, AC000066, AP000065, AC006359, AC006208, AL022395, AL049844, Z99758, U95742, AL031650, AC002087, AC007216, AC006552, AE000658, AP000115, L42088, L81759, AC006468, U63630, AL109764, AC006365, AC004659, AC006992, AC005015, L13713, X54180, AC006076, AC005175, U02058, AF190465, AL049635, AL031133, AC004931, AC005157, AC005740, AL109759, AC002429, AF017257, AC002070, AC007450, AC005763, AP001043, U62293, U63721, AC005057, AP000519, Z82202, AL024509, AP000431, AC006480, AL109662, AC007238, AL022476, AC001228, AC006449, AL121580, X52851, AF052684, Z69666, AL023882, Z84497, D86999, AC004496, AC002056, AL022237, AC005366, AL035072, Z98885, AP000477, AC002072, AL049795, AL049745, AC005005, AC007285, AC004690, AL031311, Z98755, AC007387, AC005815, AC006111, AP000161, AP000020, AF120990, AC001164, AC000062, U35114, AC005069, AP000306, AC004186, AL031597, AP000047, AL133399, Z82244, AC006525, AC005255, AL031319, AL031286, AF030453, U62317, AC009464, AC004895, AC005088, AL033525, AC007263, AC002457, AP000567, AC005284, AC006530, AJ012197, U02532, AC003119, U78104, Z97181, AC006299, AL023494, AP000093, AL034344, AC006486, AC006539, AC004222, AP001068, AC020663, AF107258, AC007240, AC004526, AJ011930, AF124523, AB023056, L13706, L13714, AF067846, AC002055, AL049633, AC002483, AL080250, AC005244, AC004477, AC003091, AL032821, AC004953, AL109941, AL096867, AL133353, Z99129, AC007664, AC007955, AL049832, AC005412, AC007878, U47924, AF118808, and S83170.
HTXLO14	6479	869332	1 - 346	15 - 360	
HTXLP15	6480	869202	1 - 580	15 - 594	
HTXLP18	6481	973431	1 - 1120	15 - 1134	
HTXLQ28	6482	869331	1 - 253	15 - 267	
HTXLT33	6483	919761	1 - 249	15 - 263	
HTXLU64	6484	783411	1 - 274	15 - 288	
HTXLU82	6485	779215	1 - 352	15 - 366	

HTXLV39	6486	972762	1 - 587	15 - 601	AW024320.
HTXLV02	6487	866819	1 - 437	15 - 451	
HTXMC82	6488	779198	1 - 513	15 - 527	
HTXMH13	6489	928105	1 - 468	15 - 482	
HTXMH80	6490	775487	1 - 789	15 - 803	AI767654, AI654511, AC003037, AR060648, Y15164, and Y16355.
HTXMI18	6491	921101	1 - 558	15 - 572	AA354168, AL021920, AC006359, Z63341, Z56778, Z63773, and Z61872.
HTXMI62	6492	870456	1 - 610	15 - 624	AW204494, AI167739, AI308750, AW079517, AA810700, AI304463, AI348049, AA781353, AA740190, AI245908, AA448390, AI073753, AI346019, AI240109, AA579960, AI146972, AA194605, AI924255, AI245270, AI160024, AA782917, AI198405, AA804861, AI498033, AI244610, AI018032, W84699, AI088909, AA150413, AW195727, AA150136, AW207349, AI350465, AA773774, AA448387, AA908581, AW182756, AI023582, AA772649, AI698603, AA740373, AI245510, AI004632, AI198724, AI566264, AA477201, AA291758, AA305875, AA77036, W79002, AA768998, AA194636, AA33431, AI459372, F34275, AA781769, AA401771, W63647, AA479797, H69491, AA026446, AA148813, AA152187, AW074444, AA148463, and AA026249.
HTXMIJ03	6493	923001	1 - 338	15 - 352	AA278496, AA427747, AI625778, AL118567, AW419161, AA503454, AI251429, AA372881, AA527396, AA354311, AA504951, AI271985, AI631064, AC002531, AC000353, AC004765, AC002375, AL035688, U41384, AP000303, AP000114, AP000046, AL109657, AP000359, AL031296, AC005701, AP000275, AL031284, AL031670, AL021391, AC005695, AC007676, AC005215, AC004895, M19364, AC005193, AC004880, AC007690, AC006023, AL035681, AC007510, AL117338, AC005781, AC004600, AC007129, AP000037, AP000105, U75931, X55448, AP000210, AP000132, AL035659, Z95329, AP000248, AB026899, AC006251, AC005839, AC007993, and AP000326.
HTXMIJ50	6494	830027	1 - 395	15 - 409	H93883, AF140360, and AF074606.
HTXMO28	6495	823172	1 - 464	15 - 478	AA504938, AF115510, and AF045573.
HTXMO81	6496	869319	1 - 770	15 - 784	T10293, Z98044, AC004463, and AC002040.
HTXMP92	6497	972759	1 - 558	15 - 572	
HTXMQ07	6498	952206	1 - 564	15 - 578	AC006449, AL049761, AC004491, Z97054, AL133163, Z93023, AL121658, AJ246003, AL139054, AL035072, AJ229041, Z83822, AL080243, AL031255, AC006511, AC004150, and AC002316.
HTXMT06	6499	933376	1 - 594	15 - 608	AA836811, AL047602, AI561043, AL132777, AC005180, AL024507, AC003070, AC005225, AC005257, AL078581, AL133245, AC004967, AL109963, AC005736, AC005778, AL009172, AC005206, AC005015, AL118497, AC006121, AL021707, AC005667, AC006088, AC005765, AC005747, AC006360, AC004996, AC004876, AC004953, AL049830, AC004985, AC005696, AC002477, AC002565, AF196779, AC005089, AP000251, AC007283, AL035249, AP000030, AC000111, AC006160, AL096701, AL022326, AL021808, AC004263, AL031311, AL117258,

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HTXMU10	6500	961472	1 - 297	15 - 311	AA360680.
HTXMX03	6501	923005	1 - 801	15 - 815	H69312.
HTXMX32	6502	789063	1 - 414	15 - 428	
HTXMX41	6503	789332	1 - 658	15 - 672	AL143899, AL185700, and AA935389.
HTXMY15	6504	780129	1 - 487	15 - 501	AC006369.
HTXMY23	6505	835044	1 - 1094	15 - 1108	
HTXMZ91	6506	789619	1 - 355	15 - 369	
HTXND08	6507	869311	1 - 605	15 - 619	AA612727, AF017104, AC016831, AC005940, AC006441, AC005071, AC005277, AC005921, U82828, Z93023, AC007868, AC005781, AC004854, AL133353, AC002395, AC005829, AC003091, AP000501, AF134726, AC007899, AC004686, AC004009, AB023048, AC005067, AC005379, AC005288, AC005920, AL022166, AC002394, AC004967, AC007011, AF165926, AC000035, AC006023, AC002316, AC002072, AL031295, AC003006, Y10196, AC003043, AL109623, Z84466, AC004383, AC010200, Z98941, AC004605, AC006121, AC004812, AL049759, AC005332, AC002091, AL031133, AC002300, AL035086, AC004584, Z69890, AC008498, AC006285, AL008718, AP000263, AC004000, Z82214, and AC002563.
HTXND91	6508	789706	1 - 634	15 - 648	
HTXNF56	6509	974048	1 - 359	15 - 373	

HTXNJ80	6510	966045	1 - 269	15 - 283	
HTXNM82	6511	973993	1 - 354	15 - 368	
HTXNN03	6512	922997	1 - 500	15 - 514	AC007151, and AC005071.
HTXNN33	6513	780965	1 - 1099	15 - 1113	AA687306, AA262231, and H59981.
HTXNO48	6514	963444	1 - 242	15 - 256	AC004001.
HTXNO58	6515	916249	1 - 447	15 - 461	
HTXNQ06	6516	934303	1 - 424	15 - 438	<p>AL1017099, AA115566, AI679782, AA368329, W80696, AA159006, AI940546, AA524800, AA133013, AI733856, AI821659, AI281622, U46402, AW023975, AW161459, AW268329, AW161879, AI191343, AI003797, AA936548, AA339592, AW029626, AI888050, AI018726, AI982994, AI114645, AI475294, AA827383, AW169390, AW157173, AA533923, AA533660, AI520925, AW265688, AA559166, AI686563, AA313078, AI749306, AA809131, AA832235, AL043707, H59856, AA084320, AW129188, R31264, AA099907, R66407, AA218684, AC002126, AC005620, Z82182, AC006162, AP000555, AC005565, AC006026, AC004263, AF064857, AC006001, AL133353, AC006006, AC007225, AC004081, AC005988, AL049709, AC005759, AL035086, Z95116, AL078581, AC007216, D86995, AC005703, AC005295, AC004832, AC010205, AC005005, AC005409, AC006130, AC000353, AC005288, AC000003, Z83844, AC006312, AL009179, AL022315, AC006084, AC004820, AC004671, AC005839, AL035420, AC005355, Z98051, AC005821, AC004638, AC002310, AC004821, U95742, AC006538, AP000091, AC005377, AL034548, AP000692, AF003626, AC005089, AP000503, AC007114, AL034549, AC006430, AL031277, AL031427, AC004812, AC002369, AF107257, AB004907, AC004834, AC007686, AC007917, AC005940, AP000236, AC005544, AC005480, AC005913, AC004150, AF031078, AP000045, Z98946, AC004922, AL022395, AL049843, Z82097, AF030876, AF196969, Z97352, AC004382, AP000030, AP000212, AP000134, AL132826, AC007066, AC002077, AF031076, U85195, AP000346, Z99128, AL049569, AC005412, AE000658, AL035658, AB003151, AP000688, AL022324, AC005003, AC003982, AC005086, Z84486, AC007201, AC006322, AC000065, AF111168, AL021154, AL121652, AC005592, AC002350, AL031447, U91323, AL035072, AC002381, AC005332, AP000337, AC005800, AL008635, AC006241, AC004230, AF118808, AC004000, AC005102, AL034429, AC005017, AL035249, AF134726, AP000502, AC007731, AF111169, AC004034, AC005500, AC005484, AC005803, AL050318, AC004953, AC005911, AC002558, AL035450, AL008718, AC002115, AL109963, AL049761, AL096774, AC002430, AC005519, AL096712, AL024507, AL008719, AC002554, AC016831, AC004125, AC007363, AF045555, AC002425, AC007384, AC002378, AP000355, AC003037, AL133312, I44140, AC004009, U78027, AL110502, AC006271, AL031311, AP000359, AC000026, AC002040, AC005581, AL022311, AC004816, AC004231, Z83820, AC004019, AC004491, AC002472, L81868, AL078638, AL133163, AC005048, AC005206, AC003669, AC004938, AC004106, AC004890, AC002404, AL035422, AC007263, AC006948, AC004084, AC003029, AC002059, AC005920, AC008041, AP000010,</p>

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HTXNQ3	6517	951939	1 - 216	15 - 230	
HTXNR01	6518	913781	1 - 542	15 - 556	AC005585, and AC004997.
HTXNR17	6519	856465	1 - 1217	15 - 1231	AL109616, AP000085, and AP000222.
HTXNT07	6520	952165	1 - 850	15 - 864	AI168689, AA447759, N24906, H80735, N36031, and AI088950.
HTXNT43	6521	869398	1 - 696	15 - 710	AW104380.
HTXNT76	6522	869189	1 - 720	15 - 734	AI140432, R67196, H09197, Z44614, and W86042.
HTXNU51	6523	972837	1 - 607	15 - 621	T11417, AW178893, D80195, D80193, AW177440, C06015, AW360817, D80022, AA514184, AW178907, AW178908, D80164, D59502, AW352170, D80439, AA305409, AW366296, D59619, D80210, D80391, D80240, D59787, D80227, D59467, D80247, C03092, AW377676, C14331, AA305578, D45260, D59275, D80038, AW377672, AW178905, AW177731, C14389, AW378528, AW378533, AA809122, AW378532, AA285331, AW360811, D80166, AW375406, AW179328, D80251, D58283, D59859, D59927, D51423, D51799, D80253, D80043, AW179023, AW378534, AW179019, AW179332, AW378542, AW178762, T48593, AW178911, F13647, AW178906, T03269, AW367950, AW178914, A1557774, A1525920, A1525227, I14842, I50126, I50132, I50128, I50133, AB002449, A62300, A82595, AR060385, D89785, A84916, AB028859, AJ132110, D34614, AR062872, A62298, AR018138, AR008278, AF058696, AR066488, AR016514, Y09669, A70867, AR066487, Y17187, AR060138, A45456, A67220, Y17188, A78862, A94995, D26022, A30438, A26615, AR052274, A43192, X67155, A63261, A43190, AR038669, A25909, Y12724, A64136, A68321, AR054175, X68127, AR008443, AR008408, AR016691, AR016690, and U46128.
HTXNY70	6524	869289	1 - 503	15 - 517	AA326098.
HTXNY74	6525	918076	1 - 523	15 - 537	AI990442, AI760050, W17255, A1743197, AA161408, AA046819, AA100199, AI937600, W17197, AW134967, AA365733, A1878952, AW407024, F11958, AI440483, AW404641, T65652, AW408221, AW247376, AA101041, AL134478, AI420513, AA418264, AA993567, AA446731, N78836, R08951, H53247, AF078856, Y10769, AB002086, and AF112211.
HTXOC32	6526	869280	1 - 627	15 - 641	
HTXOD62	6527	806643	1 - 920	15 - 934	AW160365, D83782, and U67060.
HTXOG84	6528	929289	1 - 493	15 - 507	AW405057, A1950337, and AC002303.
HTXOH04	6529	926909	1 - 358	15 - 372	
HTXOH60	6530	869271	1 - 524	15 - 538	
HTXOJ50	6531	869279	1 - 696	15 - 710	AA640727, and AA569750.

HTXOI92	6532	974039	1 - 477	15 - 491	AW409822.
HTXOM10	6533	963435	1 - 414	15 - 428	AW367431.
HTXOO06	6534	934248	1 - 633	15 - 647	AI032221, T67234, and AI247472.
HTXOO83	6535	898860	1 - 546	15 - 560	
HTXOR11	6536	965090	1 - 493	15 - 507	
HTXOR48	6537	869253	1 - 649	15 - 663	AA114199.
HTXOR86	6538	914739	1 - 599	15 - 613	
HTXOS47	6539	965558	1 - 757	15 - 771	AA424143, AI702720, AI039624, and AA424185.
HTXOT42	6540	974034	1 - 421	15 - 435	
HTXOU06	6541	852057	1 - 535	15 - 549	
HTXOU48	6542	869252	1 - 409	15 - 423	AL022398.
HTXOU67	6543	906909	1 - 406	15 - 420	
HTXOX02	6544	918556	1 - 600	15 - 614	AP000694.
HTXOX42	6545	920274	1 - 540	15 - 554	
HTXOX702	6546	918566	1 - 446	15 - 460	AA348747.
HTXPE93	6547	954976	1 - 621	15 - 635	D80253, D58283, D80366, D80043, D80188, D80022, D59275, C14331, D80391, D59787, C14389, D80195, D80196, D59619, D80210, D80166, D80240, D59859, D80164, D81030, D59502, D59467, D51423, D51799, D80227, D80212, D50995, D80219, C15076, D59927, AA305409, D57483, D59889, D80269, D80038, D80193, D50979, D80024, C14429, D59610, D80378, D80251, D80045, D51022, D51060, D80241, AA305578, AW177440, D81026, T03269, C14014, AW178893, D80248, AW179328, AA514188, D80522, C75259, AW360811, AA514186, D80133, AW378532, D80247, D80134, D80132, AW178775, F13647, AW369651, AW178762, AW375405, C05695, AW177501, AW177511, AW377671, D51250, D80168, D58253, D80268, AW366296, AW360844, D80439, AW360817, AW375406, AW352158, AW378534, AW179332, AW377672, AW179023, AW178905, D59695, D80949, AW177505, C14227, AW352117, AW176467, D80302, AW352170, AI910186, D80064, D81111, AW352171, D51079, AW377676, AW178906, AW177731, D59373, AW178907, AW179019, AW179024, C14298, C14407, AW177728, AW360834, AI905856, AW360841, AW179020, AW378540, AW178909, AW177456, T11417, AW179329, AW178980, AW178774, AW177733, AW378528, AW178908, AW178754, AW378543, AW179018, D51103, D80157, AW352174, Z21582, AW179004, AW179012, D51759, AW178914, AW178781, AW378525, AW367967, C14077, AW177722, AW179009, AW352120, T48593, AW178911, AW352163, AW178983, D58246, C06015, AA285331, D59653, D51097, D59503, AI557751, D58101, AA809122, C03092, D45260, H67866, D59627, AW177723, D51213, AW367950, D80258, H67854, AI535850, AW378533, AI525923, D80014, AW178986, C14344, T03116, AW177508, D45273, AI525917, D59317, D60010, C14973, D51221, AW177497, AI535686, D59474, D51231, AI525920, C14957, AW177734,

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HTXPJ03	6548	922877	1 - 474	15 - 488	AL109830.
HTXPK10	6549	963397	1 - 639	15 - 653	AC005783.
HTXPK28	6550	957888	1 - 339	15 - 353	AC005261.
HTXPO91	6551	869224	1 - 722	15 - 736	AL049653.
HTXPO92	6552	869214	1 - 665	15 - 679	AP000700.
HTXPP33	6553	799925	1 - 759	15 - 773	D80038, D80164, D51423, D59275, D80195, D50979, C06015, C14389, D59467, D80227, D59502, AA305578, D80043, D58283, D81026, D80269, D80193, D59859, D59610, D80022, C14331, D80166, D59619, D80210, D51799, D80391, D80240, D80253, D59787, D80268, AA305409, D80439, C15076, D51103, D81030, D80188, D80247, D80248, D80522, D80212, D80366, D80196, D51022, D80045, D80219, D80302, D50995, AA514188, D59927, D51060, D57483, C14014, D80378, D80241, D59889, D80133, D80024, AA514186, AW360811, AW177440, D80157, D80251, T03269, D51759, AW178893, C14429, AW377671, AW375405, D59653, C75259, AA809122, AW178906, AW177731, AW179019, H67866, D45260, AW366296, AW360844, AW360817, AW179328, C05695, AW179020, D59373, AW375406, T48593, AW378534, AW179332, T11417, AW377672, AW179023, AW178905, AW178908, AW378532, AW378528, AW178762, AW177501, AW177511, D59503, AW360834, H67854, C03092, AW352171, AW377676, AW179004, AW352170, D81111, AW178907, A1525923, AW179024, C14227, D59317, D80132, F13647, D59627, D80258, AW177505, D52291, D51250, D80134, AW360841, T03116, D80064, AW178775, AW178909, AW177436, AW176467, AW178986, AW179329, AW177733, AW352120, AW179009, AW178980, D58246, D60214, AW178914, AW178911, AW178754, AA514184, AW179018, AW352158, D58101, AW367950, D51213, AW352117, A1525917, D80014, AW178774, C14973, AW177734, C14344, AW378533, A1535686, D51221, A1525227, D59474, AW179012, C14407, D59551, D59695, D60010, AW378525, AW177722, AW352163, A1525920, A1557751, AW378543, AW378540, AW378542, C14957, A1557774, AW177728, A1525242, C14046, AW378539, AW177723, A1525215.

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HTXPR92	6554	869221	1 - 389	15 - 403	
HTXPT68	6555	870074	1 - 455	15 - 469	W52804, AA261853, W07856, AA283855, AA077296, AA319080, W60104, AL046053, AA496322, AA402082, AA077601, AA101354, AW402545, AA078651, R11246, AW405789, AC006014, AL117583, AB014518, and AC005488.
HTXPW03	6556	922884	1 - 423	15 - 437	
HTXPW20	6557	869198	1 - 538	15 - 552	AI041722, AW301211, AA420513, AW301191, AI862185, AA338281, H68343, AW080772, AA564925, AW410784, AI283842, H73550, AI066416, AA579152, AI693979, AA508148, AI819391, AC002126, Z82190, AL049394, AC004908, AC005164, AC005924, AC005412, AC006121, AC004263, AL132992, AL020997, AL122020, AP000346, AC002425, AL031291, AP001068, AL117344, AC004983, AL031428, AC004832, AC004653, AC003029, AC003950, AJ011930, AF129756, AC005015, AP000272, AP000104, AC003982, AC006468, AP000510, AL109759, AL022336, U05309, AC004644, AL031321, AC002400, AL035703, AC006344, AC007938, U89336, AB023048, AL022320, AC005726, AL121825, AC002119, AC005585, AC005778, AL008582, AC005940, Z83845, AP000269, AP000103, AL133500, AC006385, U91323, AC005971, AL109963, AC002558, AC005072, Z95329, AC005049, AL022330, AC004032, AC002365, AC000379, AL033524, AP000553, AC002045, U82757, AC006163, AL049692, AC004841, AC006450, AC004149, AP000297, AP000112, AP000044, AC004132, AP001053, AC005899, AC007676, AC005598, AC002312, Z82178, AC002395, AC006023, AC004883, AC005529, AL132994, AC002565, AC004589, Z73417, U95090, AC004645, AC005379, AF001552, AL009179, AC003667, Z98946, AC004593, AC007878, AC007919, AC004079, Z97055, AC006270, AC005488, Z82176, AC005952, AP000279, AC005363, AC005606, AP000106, AP000038, Z95113, AC006042, AC001231, and AP000152.
HTXPX02	6558	918494	1 - 526	15 - 540	AA569047, and AC008545.
HTXQA18	6559	869184	1 - 593	15 - 607	
HTXQC36	6560	961161	1 - 633	15 - 647	
HTXQC77	6561	974033	1 - 705	15 - 719	AL021331, AL023754, AC002314, AL080243, AC004963, AC002102, AC005779, AC005757,

HTXQF10	6562	963403	1 - 557	15 - 571	AC006287, AC005011, AL078596, Z74477, AC007435, AC004926, and AL121653.
HTXQM11	6563	965645	1 - 650	15 - 664	Z97989.
HTXQN24	6564	963503	1 - 487	15 - 501	AI183539, R06046, H96741, N24376, AW269964, AW130380, and AA033943.
HTXQR90	6565	869139	1 - 486	15 - 500	
HTXQU07	6566	952030	1 - 386	15 - 400	AC002531.
HTXQW02	6567	918081	1 - 445	15 - 459	
HTXQW29	6568	869134	1 - 456	15 - 470	AA355311, and AL039535.
HTXRA11	6569	965596	1 - 392	15 - 406	
HTXRB38	6570	869133	1 - 344	15 - 358	AC004508, and AL049549.
HTXRC17	6571	973981	1 - 538	15 - 552	
HTXRD51	6572	921285	1 - 484	15 - 498	AA381937.
HTXRE04	6573	926371	1 - 422	15 - 436	
HTXRJ02	6574	918031	1 - 609	15 - 623	AI418397.
HTXRM86	6575	975072	1 - 564	15 - 578	
HTXRO02	6576	918009	1 - 194	15 - 208	
HTXSB88	6577	914627	1 - 832	15 - 846	AA026814, AA127612, AL110352, H54652, N78337, AA534175, AA489133, R50909, AW381645, AA329024, H51803, N78336, H08302, AW139389, AA034086, T74441, F20615, F20584, N87003, AA315270, AI168489, AA025761, N47927, AW369408, AA921775, H48655, Z46044, and AF077042.
HTXSK91	6578	915903	1 - 449	15 - 463	AI989940, AI950415, and AI656850.
HTXSR92	6579	973095	1 - 416	15 - 430	AA320236.
HTYNC52	6580	869119	1 - 450	15 - 464	AW152346, AW057660, AA225627, AC006040, AC002350, Y14768, AC002558, AL021918, AL022322, AP000553, AL096791, AC005726, AP000505, AC007536, AL080243, AL031680, and AC005015.
HTYSB62	6581	768350	1 - 333	15 - 347	AA380842, AI819188, and AW402301.
HTYSD32	6582	702994	1 - 420	15 - 434	H30348, AL009031, and AC002326.
HTZAB04	6583	973811	1 - 636	15 - 650	AW366296, AW375405, D80045, AI905856, AW367950, AW375406, AW177440, AW360811, T03269, T48593, AW378532, AW178893, C14389, AW352171, AW179328, D80164, D59467, D58283, D59859, AW377671, D80022, AW360844, C14331, D80166, D80227, D80195, AW360817, D80193, D59927, D51423, D59619, D80210, D51799, D80391, D59275, D80240, D80253, D80043, D59787, D59502, AW178905, AW378534, AW179332, AW377672, AW179023, D81030, AW352174, AW177731, D80212, D80196, D80188, D80219, C15076, AW369651, D81026, D80269, D80038, D57483, D80366, AW177501, AA305409, C14429, AW177511, D50979, AW179020, D50995, AW352158, D59889, D59610, D80024, AA305578, D51022, AW178762, AW377676, AW178907, AW178908, AW352170, AW179019, AW179024,

HUJAB25	6584	878465	1 - 341	15 - 355	D80378, AA514188, C14014, D51250, AW178775, AW352117, D51060, D80248, AW177505, D80522, AW360841, AW178909, D80241, AW177456, AW178906, AW179004, D80251, AW179329, AW178980, AA514186, D80133, AW378528, AW178754, AW179018, AW176467, AW178914, AW352163, AW178911, AW378525, C75259, AW367967, AW178983, AI910186, D80268, AW177728, D80302, AW178774, AW378543, D80439, C05695, D80247, AW360834, D80132, D80134, AW178781, AW177723, D58253, AW378540, D51103, AW352120, D80157, D51759, F13647, AW178986, T11417, D51097, AW177734, C14227, D81111, D80064, C06015, AW378533, D58246, D45260, D59503, D58101, AA285331, AI535686, C03092, AA514184, H67854, AW378542, H67866, AW378539, AA809122, AI525923, AW360855, AI557751, AI535850, T03116, AI525917, D59317, D80258, D80314, D80014, AI525920, AI557774, AI535959, AI525227, AI525913, AI525925, AI525928, A62300, A62298, A84916, A94995, Y17188, A78862, A82595, AR018138, AR016514, X67155, A67220, D89785, D34614, Y12724, D26022, AJ132110, A25909, AB028859, AR008278, AF058696, A43190, D88547, A30438, Y17187, X82626, AR038669, AR008443, I50126, I50132, I50128, I50133, AR025207, AR066488, AR060138, A44171, A45456, Y09669, A26615, AR052274, AR060385, AB002449, AR066487, A43192, D50010, AR066490, AB012117, I18367, A70867, A63261, X68127, AR008408, AR016691, AR016690, U46128, AR062872, AR060133, A85396, AR066482, D88507, D13509, A85477, I19525, A86792, A64136, A68321, X93549, I14842, AR054175, AR050680, AF123263, AR032065, and AR008382.
HUJAB25	6584	878465	1 - 341	15 - 355	
HUJAG07	6585	951873	1 - 509	15 - 523	AI890529, AA833799, AA832067, AA743086, AA612890, AA808056, AA745893, and AW104930.
HUJAM39	6586	911399	1 - 1309	15 - 1323	AA280958, AW401543, AI940118, AW385179, AI763106, AW175909, and AA156129.
HUJBL07	6587	951874	1 - 412	15 - 426	AC005003.
HUJCB67	6588	958914	1 - 453	15 - 467	AW407535, and AW403048.
HUJCM08	6589	957784	1 - 720	15 - 734	AF128893, AF114847, AB016767, AF121948, AF015950, and AF018167.
HUJCT61	6590	933920	1 - 649	15 - 663	
HUJCV04	6591	926175	1 - 373	15 - 387	AW194140, AB002354, and AC003663.
HUJDB08	6592	957786	1 - 823	15 - 837	AA804187, AA570372, N27615, AI818362, AW002330, AA827490, AA714073, AL042777, H80989, AA360910, AA780766, AI924127, AA775929, AI065038, AA077667, AA659832, AW193337, AA758275, H52638, AA376358, AA788592, AA814878, T48241, F11718, AW149288, AA229422, AA825185, AW089016, F35902, AW302670, AA630122, AA077619, AA084880, AA086042, AI697425, AI915081, AA654874, AL119382, AI283924, AI879908, I190878, T06485, AI874341, AL119444, AA584594, AI368732, AA091529, F23294, Z98474, C14330, AI718462, AA721523, AA856851, H73550, AI366555, AA229988, AI266028, AA626411, AI683116, AA904211, R74433, AA434078, AL041681, AL041682, T05118, AL038759, AI160786, AA706202, R93919, AA668715, W24312, F24745, AI758799, AA504951,

				AA613754, W81372, AA219349, AA523695, AA550757, AC004491, AC004859, AL031848, AC005005, AC004259, AC004600, Z98752, AC007546, AC005082, AC006042, AL031577, Z98304, AC005074, AC007052, AC006121, AC004865, AC005375, AC005189, AC000091, AL133396, AL049563, AL080250, U95742, Z83847, Z68284, AL049759, AC002381, U50871, AL109865, AC004106, AP000745, AC007878, AC003043, AC006157, AC007216, AL022323, AC005476, AF134726, AL035555, AC005209, AL031587, AC005037, AC004916, U91322, AC007114, AC002425, AC007253, AC004622, AC004933, AJ011930, AL109985, Z82203, AF111168, AL022327, AL031118, AC007363, U89337, AL022722, AC004765, AC006539, AL022165, AL022336, AC002400, AP001038, AC000004, AC004596, AC004552, Z93020, AL020997, AC004583, AC002128, AP000352, AC004140, AL049764, AC003667, AC007283, AC011311, AL135783, AL049872, Z84487, AL121652, AC006101, AC004079, AL031685, AC005876, U85195, AC003962, AC007637, AL035422, AL049636, AL049835, AJ229042, AL022238, AC005535, AL031595, AP001068, AL121757, AC006026, AL031120, AL031584, AC003661, AC006561, Z68276, AD000813, AC005182, AL121603, AC002476, AC006254, AC007262, AP001067, Z49866, AP000046, AP000114, Z98885, AC005668, AL008732, AL031985, AC005015, AC005829, AL049832, AF165926, AE000658, AC003042, AL031673, AP000344, AL049780, AL050321, Z82201, AF015416, AL022313, AC002395, AL031133, AC006965, AC005342, AC007785, AC005033, AL031007, AC003070, AC007899, AC002091, AF095901, M55987, AC004804, Z95114, AC003035, AL031666, AC002980, Z98941, AL022476, AC006966, Z75744, AF190465, AL022320, AL034555, AC006501, AC006017, AP000694, AC002464, AP000701, AC005763, AC004103, AP000304, AC005952, U78027, AC005262, AP000558, AL021918, AC004832, AC004653, AC003663, AC002470, AL023575, AL021397, AL031686, AC005399, AC002448, AL031599, AL050307, AC006317, AC005880, AL035072, AC006208, AC005164, AL121825, AL109801, AC005378, AC000159, AL031005, AL121754, AC006263, AC006530, Z84480, AF111167, Z82202, AC006512, AC004668, AL035671, AL049709, AC005722, Z82194, AC004815, AL109839, M87889, AC006432, AC000078, AC005778, AC005066, AC005154, AC005697, AC007207, AC006080, AC016830, AC004381, AL031670, AC004955, AL035443, AL031602, AL031311, Z98743, AC003688, AL049742, AL133500, AC005089, AC007938, AC004125, AP000047, AL031680, AL020996, AF124730, AC009501, and AC005067.				
HUJD158	6593	920851	1 - 612	15 - 626				
HUUAJ10	6594	914330	1 - 777	15 - 791				
HUUAJ82	6595	966685	1 - 637	15 - 651				
HUUAJ12	6596	968953	1 - 643	15 - 657				
HUUAJ06	6597	966816	1 - 599	15 - 613	AI143114, AI741038, AW408346, AI199199, AI553781, AI159848, AI870663, AW009857, AI369858, AA306925, AA116026, AI168007, AI560107, AA580263, AA565402, AA565504, AI056118, T78900, AW016397, AI358502, AA565503, AI989730, AA102803, AI094220,			

						AA772713, AA147209, AA809418, AA235853, AA812366, AI520722, AI273152, AI031924, AI197902, AA854522, AA541445, AA813910, AA160408, F32212, AW381946, AA808361, AI025417, AA214593, AA312286, AA807833, AI886250, AA760697, AA306027, Z93241, AF151854, and AL022316.
HUUA83	6598	921559	1 - 358	15 - 372		
HUUC06	6599	933322	1 - 447	15 - 461		AL046885, AA705908, AI812019, AI657105, AI167247, AI432943, R11664, and AL031320.
HUUC07	6600	951824	1 - 349	15 - 363		
HUUC012	6601	969258	1 - 91	15 - 105		
HUUCP08	6602	957715	1 - 497	15 - 511		AI355246, AI679759, AI923052, AA904211, AA613624, N95817, AI079901, AA468975, AC005726, AC005799, AL021937, AL034549, AC007151, AC005519, AP000493, AC005911, AC005520, AC007066, AL049780, AF088219, AC005666, AC005081, AL121652, AF130342, Z93017, AC006017, AC005228, AC004699, AL022069, AC007052, AC004106, AC007226, AC007283, AP000513, AC007055, AC006211, AL139054, AC005755, AC006430, AC005829, AC005697, AC005722, AC004890, AL110502, AC004694, AL133371, AC005358, AC009464, AL135747, AC005158, L11910, AC004686, AL008629, AL008710, AF130343, AL132987, Z98751, AC007934, AL049709, AC009498, AC006285, AC005670, X87344, AC007993, AL022574, AC006312, AC007899, AC003087, AC007565, AL121655, AC005859, AL049589, AC004477, AC004526, AC007676, AC004675, AC002369, M89651, AC005875, AC005229, AL109984, Z81365, AC005071, AC007528, AL031230, AC006271, AL031685, AL035090, AC005089, AC005531, AC006480, AC003042, AL008723, AP000688, AC005189, AL008729, AL080248, AL035422, AC004079, AC000353, AL049713, AL031311, AL031575, AC007216, AC003664, AC006065, AC006960, AC005899, AL031312, U82828, AL022396, AC004098, AC005234, AC006011, AC007637, AC004797, AC002527, Z95125, AF205588, AC003075, AC004888, AC005730, AL022326, AL031775, AC004033, AC005599, AC005067, AL121595, AL031680, AC004531, AL133245, AC004024, AL031316, AC007842, and Z98946.
HUUCQ03	6603	915269	1 - 907	15 - 921		AC000119.
HUUCS49	6604	965987	1 - 504	15 - 518		AL046287, D78805, D78848, R11003, AL044772, T79263, and Z82171.
HUUDG08	6605	957721	1 - 391	15 - 405		
HUUDJ10	6606	961717	1 - 623	15 - 637		
HUUDS10	6607	961706	1 - 325	15 - 339		AA457765, AI349129, AA824626, H24051, H73550, AA720833, AA378718, AW088835, AA045600, AI050070, AA339092, AI399992, AC005237, AC011331, AC005102, AL031587, U52112, L44140, AC009288, AC005527, AP000552, AC007993, AC004963, AL049758, AJ006345, AC005529, AC004967, AC000377, AL033525, Z85986, AL022314, AC003684, AC003101, AL034429, Z92844, AC002352, AC004893, AC005104, U91321, Z97635, AC006040, AC004686, AL008718, AC002991, AC004851, AP000313, AP000050, Z95118, AP000117, AC002492, and AF038458.
HWAAE23	6608	675326	1 - 750	15 - 764		AA610659, T94692, AC006388, AF111168, AL009174, and AC003663.

HWAAE55	6609	719194	1 - 349	15 - 363	
HWAAE90	6610	778917	1 - 407	15 - 421	
HWAAF27	6611	721151	1 - 432	15 - 446	AC002126.
HWAAF66	6612	908541	1 - 389	15 - 403	AA884296.
HWAAF81	6613	712203	1 - 336	15 - 350	AA652914, and AA807140.
HWAAAL31	6614	697716	1 - 537	15 - 551	Z85996.
HWAAAM04	6615	614973	1 - 394	15 - 408	R84880, AI032875, T27238, AW162263, T49209, AW388701, AW388609, AA918754, AI445934, AI733754, AA807287, AI285709, AI792664, AW004638, AI095123, AA099624, AI393841, AC005412, AF050154, AC002365, AI249921, AC005015, AC002045, AL049759, U91321, AP000285, AP000286, AC004262, AP000109, AP000041, AP000692, AC003049, AC002300, AC004084, AP000111, AP000043, AC004895, AP000212, AP000134, AL035209, AC004912, AP000295, AC005011, AC008126, AC002039, AP000031, AC006274, AP000252, AP000152, AP00010, AC004893, AC000097, AC007663, AC006549, AC006547, Z92547, AL080243, AL035562, AC012599, AL020993, AP000555, and AC006541.
HWAAAM23	6616	675712	1 - 546	15 - 560	AA569796, AA190348, AW408725, T64954, AW407501, AW390099, AB011126, and AL049935.
HWAAAR36	6617	915621	1 - 479	15 - 493	AC007032.
HWAAAW7 4	6618	935602	1 - 567	15 - 581	AW402458, AW193493, AW192330, AA457685, R92629, AA350186, AW270258, AA580116, AA553448, AI124798, AI920972, AI678392, AC002115, AL049780, D84394, AC003695, AC005856, AC006530, AP000509, AI133246, AL035587, AC004185, AC002544, AP000690, AC004386, AC002418, AC005730, AL049869, AC004983, AP000689, AL035455, AC004019, AL031120, AC005914, AC005666, AC005972, AC003664, Z83840, AC007510, AL031230, AC007388, AE000660, AL031589, AP000512, Z84485, AP000555, AL024509, AC005261, AC006160, AC003983, AF196970, AC007676, AC003037, AC005037, AL031650, AC005520, AC006285, AL096712, AC005224, AC008115, AL009181, AC003077, D86992, AL049777, AL079303, AC005921, AP000694, D88270, AC007216, AC004033, AC006057, AC004531, D87675, AC006468, AC006017, AC005476, Z98051, AL023879, AC004526, AL022320, L78833, AC004893, AC002350, AC007055, AC004659, AC005500, AC007687, AL020997, AL022476, Y10196, AC008498, AC007298, AC005061, AC005004, AL031132, AL034406, AL021578, AC004813, AC004106, AC007546, AC002310, AC003071, AC006251, AC007563, AC004831, Z83846, AC006449, AC005015, AC007543, U66083, U63721, Z82246, AP000126, AP000204, AC004584, AP000089, AC005768, AC007226, AC005215, AL117337, AC004491, and AC007536.
HWAAAY03	6619	923734	1 - 402	15 - 416	
HWABAA49	6620	859878	1 - 369	15 - 383	AW407837.
HWABBB37	6621	870088	1 - 368	15 - 382	AA985132, AW407779, and AW068669.
HWABBE67	6622	751418	1 - 219	15 - 233	AL117351.

HWABE94	6623	838096	1 - 528	15 - 542	AA693936, A1758902, A1347305, A1707616, AW235273, AA505993, AA007507, A1198564, AW408843, W89117, A1817959, A1014474, N78660, A1819949, A1818952, A1818934, AA827181, AA807696, A1478470, W28310, A1620079, W28761, AA504463, AA504537, C00613, AA630618, AA621088, AA034986, AA033755, AA609139, AW408062, R56755, A1342134, A1368615, D31434, AA252777, AA976522, AA779863, AA868560, W15149, AW385052, F11972, R33966, A1955209, T63060, T65487, T58123, AA443135, A170522, AL039390, AL046681, AL042009, AL046137, AL047188, A1446483, A1049726, AA598862, A1890907, A1249936, A1672187, AL045503, AL042551, AL042503, AW337394, AB029003, and AC002400.
HWABF91	6624	698131	1 - 437	15 - 451	AI805973.
HWAB118	6625	529803	1 - 521	15 - 535	
HWABQ57	6626	734536	1 - 317	15 - 331	AL134038, AA610414, AA091193, AC005593, Z95152, AC006112, AL121757, and AC003987.
HWABS04	6627	494837	1 - 370	15 - 384	
HWABS51	6628	719221	1 - 423	15 - 437	AA340284.
HWABT82	6629	784211	1 - 105	15 - 119	AA468312.
HWABW02	6630	919441	1 - 327	15 - 341	
HWABW15	6631	659944	1 - 817	15 - 831	
HWABW34	6632	703861	1 - 333	15 - 347	AL078584, and Z78726.
HWABW78	6633	865145	1 - 338	15 - 352	A1417830, A1123348, A1123698, A1470030, N53143, AW342077, A1955224, H17323, AW000844, AA534687, AW294198, H17823, T15834, R69639, A1248017, R42888, AA553685, T26637, R69560, R36850, T34756, R39028, A1991788, T99687, and AF131762.
HWABX49	6634	685187	1 - 333	15 - 347	AA243866, AW001383, R36135, AL078593, AB014580, and AC002526.
HWABX68	6635	752825	1 - 373	15 - 387	
HWABY12	6636	968857	1 - 565	15 - 579	AC006991.
HWACA38	6637	943074	1 - 1037	15 - 1051	AW407984, AW408019, AA251937, H14675, and AL035530.
HWACB75	6638	685247	1 - 448	15 - 462	
HWACG21	6639	868530	1 - 324	15 - 338	A188883, AA828227, AW303196, AA666332, A1732547, AW301350, AA468131, AL031289, AL121825, AC004889, AL031003, AC005138, AL049569, AC002527, AC002456, Z98946, Z83846, AL133244, AL035410, and AL109967.
HWACG64	6640	675517	1 - 460	15 - 474	T18924, and AF075587.
HWACG68	6641	752710	1 - 470	15 - 484	AA491189.
HWACG94	6642	670912	1 - 309	15 - 323	
HWACH33	6643	686740	1 - 389	15 - 403	
HWACH49	6644	722572	1 - 438	15 - 452	AC008039.
HWACK78	6645	753565	1 - 468	15 - 482	
HWACM17	6646	602307	1 - 390	15 - 404	AW183544.
HWACP03	6647	869938	1 - 659	15 - 673	

HWACQ19	6648	668093	1 - 514	15 - 528	AI418472.
HWACR28	6649	685983	1 - 390	15 - 404	
HWACR77	6650	771777	1 - 105	15 - 119	AC005058.
HWACU96	6651	787349	1 - 247	15 - 261	
HWACV04	6652	927275	1 - 466	15 - 480	
HWACX82	6653	705560	1 - 408	15 - 422	
HWADA93	6654	647703	1 - 919	15 - 933	R56516, R13563, H69607, Z42062, and Z97989.
HWADE38	6655	709487	1 - 433	15 - 447	
HWADF26	6656	957347	1 - 1087	15 - 1101	AA424848, T60164, AA426628, AA173389, and AC007008.
HWADG01	6657	915507	1 - 412	15 - 426	AW022544.
HWADG26	6658	680182	1 - 410	15 - 424	
HWADG27	6659	958200	1 - 673	15 - 687	AW340327.
HWADJ32	6660	698651	1 - 356	15 - 370	AC004223.
HWADI53	6661	727820	1 - 737	15 - 751	AI022632, AI022651, T91891, T84838, H47614, H47703, and N57905.
HWADI29	6662	690074	1 - 397	15 - 411	
HWADL02	6663	918986	1 - 302	15 - 316	AA380962.
HWADL36	6664	706697	1 - 868	15 - 882	
HWADM30	6665	868520	1 - 343	15 - 357	
HWADN19	6666	657528	1 - 374	15 - 388	
HWADN21	6667	670274	1 - 440	15 - 454	
HWADN46	6668	924888	1 - 711	15 - 725	T32685, R25015, T30407, AW401787, F07299, and Z44281.
HWADO54	6669	729136	1 - 502	15 - 576	
HWADP26	6670	680211	1 - 621	15 - 635	
HWADQ27	6671	682448	1 - 570	15 - 584	
HWADQ91	6672	693834	1 - 346	15 - 360	
HWADR47	6673	944042	1 - 320	15 - 334	D19587, AW022757, AW021357, H08415, AA099186, R51350, AA058389, H07129, T30155, AI810672, AI700760, AA291583, Z38445, AI936412, AI913143, AA449107, AW383953, AI952893, AW025467, AI653296, AI823647, AI978760, AI890309, H13605, AW080154, and AB018298.
HWADS43	6674	675454	1 - 367	15 - 381	AW292252, and AC002107.
HWADS53	6675	717544	1 - 339	15 - 353	AW341101.
HWADV51	6676	916669	1 - 450	15 - 464	
HWADV82	6677	708688	1 - 403	15 - 417	
HWADW4	6678	722343	1 - 322	15 - 336	H26533, T77241, and AI206163.
HWADX46	6679	718647	1 - 556	15 - 570	AC000353, Z93341, AI135960, AI131016, Z82176, and AC004263.

HWADX62	6680	868509	1 - 497	15 - 511	R14731, AA425283, AA703818, AA180056, AI204310, AI338884, AA669238, AA601084, AI355572, AI133861, AI653695, AA610644, AI754064, T07251, AI138119, AI446424, AI299352, AI086603, AI589378, T05002, R22196, AI823395, AI057560, AA342040, AC008039, AC005184, AC003685, AC007308, AC000007, AC005808, AC007911, AI139054, AB001523, AP000127, AP000205, AP000245, AC006132, AC005067, AP000692, AC005326, AF124730, AF015416, AC004263, AL031680, AC006137, AL022165, AC007458, AC002366, AC004605, AL034395, AC010205, Z94865, AF124731, AL022158, AL049795, AI035413, AC004622, AC008044, AF030453, AC007372, AC005088, AI121757, AL049837, AC006581, AC006511, AC005594, AL049570, U80460, AC002528, AC005949, AC005730, AC005082, AC006121, AF111167, AC007688, AC003064, AP000532, AC002471, AC005374, AC005300, AC002422, AC004000, AC000115, AL117354, AL079342, AP000361, AP000151, AC005049, AP000009, AC006479, AC002060, AC009248, AC005358, AL035684, AC006557, AC002477, AC005295, AC005535, AC005225, AC008928, AL022313, AC004655, U52852, AC008038, U80459, AP000302, Z15025, M63543, U93163, AL008719, M63544, Z97630, AL008734, AF038458, AL008582, AC004242, AC004878, AC004797, Z97632, AL049636, AL031655, AI133241, AL022721, AC008126, AE000661, AL122021, AL033527, AP000555, AC004650, AC006369, Z84497, AC003072, AL035695, AL031311, AC004993, AC006120, AC004084, AC007227, AC016025, AL109865, AL109963, AC004897, AP000466, AC006285, U91318, AP000556, AP000514, L78833, AC010436, Z93241, Z97054, AC003687, AC005519, AL031427, AC004125, and AP001055.
HWADY59	6681	738874	1 - 602	15 - 616	AI821020, T60655, and AC005856.
HWADZ21	6682	670270	1 - 368	15 - 382	AL008725.
HWADZ84	6683	782682	1 - 308	15 - 322	
HWAEA55	6684	731094	1 - 311	15 - 325	
HWAEA60	6685	964384	1 - 390	15 - 404	AA603319, T99553, T82934, AW138561, AI393407, AA884256, AW269941, AA825272, D60479, and AI762108.
HWAEB19	6686	750811	1 - 407	15 - 421	
HWAEB94	6687	778009	1 - 203	15 - 217	AC005280.
HWAE75	6688	852921	1 - 1336	15 - 1350	AA259167, AW275379, AA417330, AA417318, AW451308, AA259128, AI286274, T74279, F12417, F10034, T89018, AA021236, AI907832, AA565356, T23907, and AC006011.
HWAE01	6689	915064	1 - 326	15 - 340	
HWAEK82	6690	868489	1 - 451	15 - 465	AW392670, U46349, AL119483, AL119418, AL119355, AL119319, AL119457, U46341, AL119324, AW372827, AW384394, AL119497, U46346, AW363220, Z99396, AL119484, AL119363, AL119391, U46350, U46347, U46351, AL119443, AL119444, AL119341, AL134538, AL119439, AL119522, AL119396, AL134902, AL119335, AL042975, AL134920, AL037205, AL134527, AL134536, AL119399, AL043029, AL119496, AI142134, AL134531, AL134533, U46345, AL043011, AL042984, AL042614, AL042433, AL134526, AL042544, AL043033,

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HWAEN20	6691	868490	1 - 459	15 - 473	R10255, and AC005940.
HWAFD32	6692	850048	1 - 483	15 - 497	
HWAFG08	6693	958173	1 - 448	15 - 462	AA669840, AA533725, AA604897, AA714453, AI471543, AA670468, AA493708, AI262909, AA491814, AI281881, AA682912, AI357288, AW080134, AA908422, AA346458, AA810370, AI284640, AI138265, AI298710, AA678436, AA931647, AA502866, AI246119, AA521323, AA493206, AA623002, AI061334, AI344844, AI860020, AI801600, AA503600, AA688036, AA513972, T56472, AI801591, AA491284, AW301350, AI350211, AW303196, AI610159, AA525824, AA678443, AW274349, AI345518, AA771811, AA521399, AA630030, AA593247, AA485291, AA806796, AI343137, AA469451, AA649542, AA649484, T07451, AI686809, AA649722, AA553465, W79504, AI708009, AA621704, AW269488, AA653618, N25296, AA350859, AW084252, AA669251, AA507824, AA973803, AA599920, AW084961, AW193432, AW419262, AW072923, AW193265, AA664015, AA568778, AI537955, AI688846, AI887483, AW438643, AA584167, AI471481, AA729721, F18320, AW303876, F36273, AA480772, T05101, AA554319, AI345654, R98967, AI282832, AI281697, AI245679, AA551503, AW151727, AA610491, AA749068, AI119691, AW406659, H77643, AW088202, F18638, AA828042, H81785, AA526342, AA744031, AA252763, AA158956, AI499938, F16274, AI674873, AI929531, AW029038, AI339850, AW440836, AI053672, AI046205, AA719805, AA644207, T06556, AW088058, F18974, AA719080, AI270117, AA368936, AI446464, AA364429, AA244357, AA649642, AI251002, AA643962, N63352, AA507776, AA338486, AA831375, AW102955, AI619997, AW327868, AA371533, AI243584, AA523838, N55273, AA309841, AW339568, AI160117, AA873532, AI251436, AW023672, AI287651, AI002834, AI471464, AL046457, AA468131, AW261871, AA664407, AA613232, AA634145, AW265385, AA492166, AI962050, AA598586, AA984708, AA862173, AA487858, AI653905, AI469003, AI580652, AA602528, AW302013, AA837084, F03525, F23250, AA649705, AA722048, AA634146, AI696962, AA825357, AI434706, AI890923, AA708352, AI355206, AA569468, AA810318, AI697208, AI367497, AL046409, AA133406, R97780, AI445582, AA493471, AI471487, T06828, AF150152, AI133333, AW103981, AA194761, TS3128, AI003751, H71429, AI307608, C06303, AA233519, AI254316, AA586562, AA515128, AA570227, AA579736, F10924, AA501722, AA837677, AL044940, AA280632, AI379719, AI888008, AA577906, AA635442, AA437161, F01314, AL038705, AW238278, AA528516, AA426277, AA829223, AA365694, AA970213, AI002820, AI249997, AA654761, AA578481, AA558015, AA340747, AA713891, AA532524, AW276435, AI033547, AC006449, AC002369, Z98257, AC006130, AL121652, AL031729, AL021918, AF176815, AC005690, AF196779, AL031123, AL031005, AC006511, AC005911, AC005011, AL022476, AL049712, AC004957, AC005072, AP000047, AC005484, AC006040, AC004067, AC006211, AC004812, AC006430, AC007227, AC004858,

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HWAFR09	6694	973926	1 - 377	15 - 391	N34609, H08455, W22751, AC007566, and AL137349.
HWAFR03	6695	922832	1 - 399	15 - 413	
HWAFW34	6696	926801	1 - 278	15 - 292	
HWAFW39	6697	947915	1 - 518	15 - 532	T27535, AF106037, AF222340, AB011097, and AF183569.
HWAFX39	6698	907631	1 - 357	15 - 371	
HWAFY24	6699	868427	1 - 347	15 - 361	
HWAFZ13	6700	873396	1 - 501	15 - 515	AW161021, A1870319, W46922, AB035173, and AB035174.
HWAFZ82	6701	868426	1 - 525	15 - 539	AC005534.
HWAGC76	6702	941311	1 - 596	15 - 610	A1337376, W86648, N46466, AA522544, A1341807, A1651516, W86523, A1279721, A1245138,

HWAGD11	6703	965895	1 - 610	15 - 624	and AI262580.
HWAGD58	6704	869383	1 - 839	15 - 853	AW403858.
HWAGE40	6705	926279	1 - 291	15 - 305	AA976889.
HWAGG79	6706	930876	1 - 274	15 - 288	N32456, and AL008730.
HWAGJ49	6707	838759	1 - 574	15 - 588	AW027612, A1768868, AI337456, and AF015416.
HWAGK95	6708	868403	1 - 983	15 - 997	Z95152.
HWAGL53	6709	842011	1 - 639	15 - 653	AI68608, AI820783, and H25907.
HWAGM33	6710	888685	1 - 1127	15 - 1141	AW027021, W60174, AW385598, AW070853, H11581, H23044, AW028265, R55140, AA018982, R55003, AA330790, N80215, and AC004408.
HWAGX37	6711	959586	1 - 648	15 - 662	AA496792.
HWAGY05	6712	931001	1 - 679	15 - 693	
HWAGZ22	6713	868523	1 - 554	15 - 568	AA381062, and AP000497.
HWAH110	6714	960646	1 - 1811	15 - 1825	AI337112, AW157251, AI359543, AW025067, AA033852, AI923582, AW173477, AI469426, AI337164, AI248222, AI914411, AI218210, AW163254, AW264530, AA058937, AA846393, AI217342, AA307853, AA865741, AA937115, AA007277, AA482294, W76232, AI284228, AA007278, AI654340, AW242373, AA861264, AI494032, AI362710, AW029549, AA741378, AI807032, AI589216, AI302432, W72995, AI683775, AA813389, AW083309, AI280797, AA782972, AW002572, AA446320, AI919243, W70165, AA461498, AA354364, AA460572, AI216403, T32711, AI566648, AA482207, W70107, R41710, AA100835, AA314521, AA355060, Z40294, C03019, C04495, AA354171, AW237755, AA361131, AA337563, AA897525, AI040822, R18164, AA897166, AW387825, AW387760, AW387866, AW387873, C01307, AW387848, AA832384, AW381883, AW381787, AA330348, AF113538, and AL137375.
HWHS94	6715	909667	1 - 533	15 - 547	AA004442.
HWAI02	6716	918215	1 - 595	15 - 609	
HWBAB43	6717	715110	1 - 410	15 - 424	
HWBAB69	6718	582109	1 - 375	15 - 389	AI333255, AA453914, T83122, AA227768, AA534795, AW129554, AW129687, AI378305, AI191481, AF042810, AF042799, and AF042800.
HWBAC22	6719	823086	1 - 1044	15 - 1058	AA916171, AC003049, AC004917, and AC005785.
HWBAL44	6720	959449	1 - 553	15 - 567	AI018289, AA909162, AI472103, AW410437, AA303718, AA102327, N28787, AA059290, AW410431, AA054210, H86396, H86516, AA019783, AI684587, R28900, AL117550, AF113127, AF151877, and AF161526.
HWBAN54	6721	729329	1 - 380	15 - 394	
HWBAQ16	6722	868363	1 - 1070	15 - 1084	AI028018, T18971, and Y15381.
HWBAR44	6723	715963	1 - 397	15 - 411	AI140130, and AA719976.
HWBAR90	6724	788700	1 - 631	15 - 645	

HWBAS92	6725	960197	1 - 723	15 - 737	AW131438, and AA176971.
HWBAX06	6726	935032	1 - 103	15 - 117	
HWBAX39	6727	630220	1 - 453	15 - 467	AC005037.
HWBAZ51	6728	707033	1 - 401	15 - 415	
HWBBA64	6729	927809	1 - 448	15 - 462	
HWBBA83	6730	775401	1 - 557	15 - 571	AW178515, AW178491, AW178488, AW178658, AW178490, AW178544, AW178489, AW178541, and AW178487.
HWBBB48	6731	559708	1 - 236	15 - 250	
HWBBE01	6732	851029	1 - 385	15 - 399	AL020996.
HWBBF31	6733	868359	1 - 300	15 - 314	AF110908.
HWBBI20	6734	669491	1 - 365	15 - 379	
HWBBI54	6735	971547	1 - 471	15 - 485	
HWBBL78	6736	723183	1 - 661	15 - 675	AW070392, T86121, AI919539, U54727, and T91169.
HWBBM28	6737	686259	1 - 410	15 - 424	AW378979.
HWBBO46	6738	718858	1 - 640	15 - 654	R09834, and AF067844.
HWBBQ40	6739	660971	1 - 313	15 - 327	
HWBBQ86	6740	656704	1 - 446	15 - 460	AA744115, and AA744222.
IHWBBR65	6741	747723	1 - 356	15 - 370	H57595, AC010205, and AC005409.
HWBBR78	6742	663728	1 - 342	15 - 356	AC004098.
HWBBV03	6743	868346	1 - 417	15 - 431	F34850.
IHWBBV59	6744	682344	1 - 334	15 - 348	
HWBBV83	6745	771349	1 - 454	15 - 468	AA906879, AW207599, and AI240477.
HWBBW11	6746	966665	1 - 569	15 - 583	D20490, AA604681, AL049557, AL137199, and AL137198.
HWBBX08	6747	860880	1 - 642	15 - 656	
HWBBY01	6748	916036	1 - 906	15 - 920	AW339320, AI697885, AI150606, AA213437, AA243510, L44367, AW339015, and AC007298.
HWBBY74	6749	711633	1 - 715	15 - 729	AC007685, and AC007284.
HWBCA14	6750	768667	1 - 355	15 - 369	
HWBCA22	6751	674236	1 - 458	15 - 472	
IHWBCA92	6752	712731	1 - 538	15 - 552	
HWBCC85	6753	784189	1 - 304	15 - 318	AL119762, H07953, F08248, AI307608, AI754336, T74524, AI696962, C15363, AI369580, AI821714, AI792133, AI791913, AA528559, AL037683, AA283730, AI669589, AA715814, AL135357, AA838190, AI431303, AI076228, AI580250, H65400, AI821785, AI793172, AI793209, AW264934, F12561, AW020992, AI696955, AW302705, AA579205, AI254316, AI609972, AW302659, AI061313, AA602906, AA829036, AW419262, AW020599, AA629992, AA507824, AI887235, AA297666, AA722372, AI244127, AA663201, AL135696, AI733856, AL038893, AA857486, AL138396, AA502991, AL079645, AA613227, AA574442, AA484267,

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HWBCC90	6754	744828	1 - 368	15 - 382	
HWBCF85	6755	738552	1 - 305	15 - 319	AC002302.
HWBCG35	6756	707803	1 - 286	15 - 300	N28654, AA339066, and AA361150.
HWBCG45	6757	527679	1 - 333	15 - 347	AF123330.
HWBCI65	6758	868326	1 - 322	15 - 336	<p>A1791659, AL133861, AW275432, A1537356, H66812, AA515165, A1198211, F00112, T07569, AW438806, A1350189, AW302048, A1369977, AP000153, AP000153, AP000153, AF001549, AC004448, AC006026, AC005519, AC005057, AC006080, AC005399, AC004796, AL031295, L78810, AC004841, AC004765, AC004019, AC005412, AL080243, AF128525, AC002477, AL049795, U07563, AL096763, AL049757, AC007707, AC004973, AC006468, AC006571, AL080250, AC004817, AC004985, AC005670, AL031003, AC007686, AC005839, M63796, AF134726, AL024507, AC006515, L78833, AC005971, AC005666, AJ246003, AC006512, AP000555, M89651, Z83844, AC003010, AC005231, AC006277, AC005922, AC005837, AC006285, AL121658, AC007934, AC003689, M81890, AL023584, AP000030, AF165926, AB014079, AL031281, Z92545, AC004975, AC004881, AC005730, AL079340, AC006044, AL035587, AC002463, AL034423, AC006344, AL109628, AL022163, AC008044, AC005480, AL031589, Z98044, U91318, AL031662, AL096791, AC006121, AC006511, Z93018, AC009263, AC007536, AP000337, AC005907, AL050307, AC005913, AC002306, AC005072, AC007993, AL031680, Z94056, Z99716, AL021808, AL035460, AF205588, AC005755, Y14768, AC005529, Z83840, AC002527, AC004929, AC002420, AC005753, AC004150, AP000704, Z95331, AC003037, AP000505, AC004686, AC005828, AL031846, and AC005800.</p>
HWBCN09	6759	868325	1 - 809	15 - 823	AC007032.
HWBCN55	6760	715064	1 - 548	15 - 562	
HWBCQ10	6761	964233	1 - 802	15 - 816	<p>AA508891, AA364869, A1537814, A1039257, A1823679, AA774098, A1798242, A1065031, A1064786, AP000153, AP000011, AC002301, AC004882, AC006126, AC005015, AC002350, AC003982, Z83840, AC005529, AC007136, AC003101, AC007283, AC004967, AC004883, AP000692, AL096701, AL031685, AC006930, AC006146, AC004185, AL049569, AC005280, AP000501, AC006312, AL035587, AP000247, AC005726, AC005484, AF001548, AC006487, AC005156, AC005231, Z84469, AC005844, AL121653, AC002073, AC004552, AC004895, AC004983, Z93017, AC005562, AF111168, Z98743, AC005520, AC005049, AC007066, AP000509, AP000115, AC000379, AC005183, AC005004, AL033527, AC003104, AC004765, AC004890, AC005914, AC004263, AC005081, AC004383, AC007041, AL133163, AL049830, AL121658, AC005808, AC004099, AC004084, AL022476, AP000252, AC002381, AC002312, AC007298, Z99716, AC005527, AC004032, AP000512, AC005089, AC005300, AC005954, AC004985, AD000091, Z98884, AC005006, AL008718, AF003626, AL022330, AC005412, AP000556, AC005921, AC004878, AL049869, AC005531, AC004832, AC005940, AL031283, AC006388, AC005971, AC005837, AL022165, AL008582, AC005182, AP000557, M89651, AC003108, AC003072, AL035072, AC008115, AC006430, AL137191, AC005409, AC004651,</p>

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HWBCQ29	6762	943720	1 - 669	15 - 683	AL022098.
HWBCS21	6763	960025	1 - 499	15 - 513	
HWBCS66	6764	765986	1 - 799	15 - 813	
HWBCU82	6765	955858	1 - 368	15 - 382	AW192334, AA845292, and AL034397.
HWBCW04	6766	925649	1 - 530	15 - 544	AA738151, AW303196, AW369785, AI820920, AA478048, AI821670, AA478209, AI874096, AW301350, AA584125, AL135357, AL042853, AA601125, AW022897, AA100718, AI819140, AA601202, AL038606, AL044340, AI733129, AA719292, AI683131, AI873990, AW022655, AA088327, AA522897, AA972809, AI557808, AI345797, AA376014, AI309375, R51018, AA584733, AI673336, AA577824, AW023662, AW274349, AA631517, AA912287, AW265032, AW419293, AL048135, AA630456, AI311034, AI344176, AI054333, AW384990, AA767637, AI345007, AA652790, AW079761, AI421841, AI254913, AL031985, AC005520, AC003037, AL009172, Z84469, AC010169, Z81365, AC004894, Z99127, AC006479, AF064863, AC002564, AC000353, AP000356, AC004143, AC007011, AC005018, AC018767, Z69838, AL031681, AC004388, AC009028, AC005668, AC004478, AL050321, AC005277, AC006251, AC004972, AC005075, AC007216, U95742, AC005003, AL121578, AC007198, AC003071, AC007314, AC002059, AL031656, U85195, AC006509, AC004088, AE000658, AP000555, AC002982, AC004856, AC003104, AP000035, AL035697, AC004148, Z97053, AL135960, AI131016, AC005288, AC004458, AC004694, AC005994, AL021397, AL022165, AC002565, AC005747, AP000223, AL031291, AL022326, AC005690, AC005245, AC005251, AL022319, AC003658, AC004240, Z84484, AC004408, AF015148, AF020662, AL133445, AL031846, Z93244, AC008038, Z98304, Z98051, Z92910, Z83846, AC004967, AC008041, AP000694, AC004087, AC004112, AC009509, AC005011, AC007263, AL035072, AC005952, AC006077, AC003003, AR036572, U91328, AC007773, AF196779, AL109847, AL031055, AC004675, AC005486, AC008967, AF001549, AL133243, AL031283, AC004147, AC004051, AC007283, AL031281, AC005940, AC002990, AC005104, Z83844, AL121580, AL022336, AC011422, AC007193, AL031654, AC004648, AC007226, AF129756, AC005019, AC002385, AL021878, AL031575, AL078604, AF029308, U78027, AC007292, AJ239322, U91323, AC006075, AC007277, AC007686, AL049692, Z82198, AC005411, AF000697, Z84466, AC006333, AL022067, AL031053, AC008372, AC004079, AF090940, and AL035422.

HWBCW88	6767	882592	1 - 1321	15 - 1335	AI990120, AA010663, AA115329, AA142893, AA115240, AW451010, AA143167, AA947167, AA479671, AI807636, AI003817, AA862814, AA884865, AA889038, AA021652, AI338488, AA035167, AA193491, AA193487, AC007376, AF111169, and AB028959.
HWBCW90	6768	731395	1 - 556	15 - 570	AL022150.
HWBCV30	6769	828318	1 - 532	15 - 546	AW274000, AI768670, AI291098, AW044308, AW292871, AI333095, AI763411, AI277756, AI277757, AW295995, AI640134, AI438941, AA833791, AA928138, AA768096, W44749, AI075028, N26246, AA213455, AW004641, AA210688, AA724426, AA973149, H18543, AA827829, AA743465, H09231, R25082, AI928653, T10351, R33461, AI364687, and Z46059.
HWBDL50	6770	724145	1 - 593	15 - 607	
HWBDM24	6771	963498	1 - 1027	15 - 1041	AA486469, AA410963, AI791905, AA459612, W31955, AW137789, AI739525, AW204945, AW291807, and AI388555.
HWBDP31	6772	697705	1 - 414	15 - 428	
HWBDR66	6773	750586	1 - 510	15 - 524	
HWBDS89	6774	771950	1 - 432	15 - 446	AC004381, and AC005820.
HWBDT15	6775	659939	1 - 217	15 - 231	
HWBDW71	6776	597259	1 - 424	15 - 438	AC009263.
HWBEA72	6777	950702	1 - 261	15 - 275	AW006846.
HWBEI17	6778	924913	1 - 197	15 - 211	
HWBEI53	6779	968493	1 - 106	15 - 120	
HWBEL53	6780	727617	1 - 342	15 - 356	AC004916, AC006328, AL133216, AC004842, AL031259, and AC004908.
HWBEL70	6781	735390	1 - 443	15 - 457	
HWBEL85	6782	954600	1 - 294	15 - 308	
HWBEV44	6783	716215	1 - 536	15 - 550	N28544, and I199861.
HWBEV94	6784	788574	1 - 709	15 - 723	AI391698.
HWBEX27	6785	682583	1 - 475	15 - 489	R98173, AA194819, AW338123, AW152107, AI242261, F05684, AI824448, AF205935, AB011090, and I41142.
HWBEY38	6786	709497	1 - 418	15 - 432	AA772370, H27788, H91330, AA644090, AA676592, AA613257, AA551181, AA463590, AC005914, AC009516, AC007216, Z68756, AC005954, U95742, AC006273, AC004477, AC005736, U91326, AI009610, AC006241, Z84480, Z85986, AC012384, AL022323, AC005899, AC007993, AP001060, AC002115, AL139054, AC005529, AC009247, AC004019, AC007766, AC005081, AC005620, AC004967, AC005015, AC006468, AC005037, AL035587, AC005971, AL022721, AL022318, AC006441, AC002543, AF111167, AC006449, AC005527, AL021918, AC006001, AC005520, AF129756, AB023050, AL022320, AL109628, AL109952, AC004812, AL050318, AC007386, AL133245, AC004125, AL132712, AC002492, AC007226, AD000092, AC004929, AP000557, AC002312, Z93930, AC004491, AC004462, AC004099, AL031295, AC005696, AC003109, AC007298, AL034420, U85195, AC007676, AC004832, AF053356,

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HWBEZ47	6787	719940	1 - 397	15 - 411	
HWBEZ69	6788	664699	1 - 420	15 - 434	
HWBEZ90	6789	923008	1 - 473	15 - 487	AW151761, AA740571, AA741403, AA633197, AA657910, AA225100, AA664248, AA527109, AW392414, AA768179, AW341882, AW019964, AL137946, AA774006, AW238495, H43183, AW068580, AL499954, H65697, AA662629, AA807704, AL671077, AA550959, H94979, AI754721, AA847427, AI871691, T05617, AA847508, AL047480, AI223968, AI791659, AA302682, AW407632, AI860535, AW104163, AA595656, AA553570, AA515172, AI630413, AA329535, AA662431, R99076, AI859906, AI636422, T40550, AA862075, F32248, T02817, T05684, AW132097, AI267356, AW169124, AW020875, AI653783, AA402113, T56181, AA225023, AW069412, AI859744, AI567391, F32213, AA015948, R87135, AA714073, H86579, T46997, AA368329, AL047467, AI453160, AI564294, AI378437, AW079737, AA714110, AA831997, R94909, AA225795, AA323644, AA502110, AI471455, AA484892, F32705, AA632765, AI288033, AI267450, AI283938, AI471467, AI826761, AA487829, AI928890, N79228, AL039309, N71579, AI536834, AI561054, AA810158, AW085790, AA716460, AA586433, AW272740, AI583936, AA599199, AI754170, AW438876, AI350440, AW083934, H16875, AA156147, AI635609, H15241, AI687343, AI201668, AI370302, T03928, AI249688, AI590404, AW008184, AA678950, AI927261, AA653291, AA076418, AA566084, AA640252, AI694178, AA492105, N29936, AA864426, N63891, AI821249, AA187760, H91062, AW007424, AA828045, AA736447, AI355007, AA579281, AW128881, AA837771, AI038304, AA742775, AA748102, AI859438, AI754567, AI569100, AW192599, R34070, AI816136, AI583291, AI754105, AI369076, AI755214, AI354602, AI679390, AI679898, AA297776, AA515924, T94072, AL135639, AA741301, AI080307, AI936182, AL048825, AA568314, AI624379, AA569220, AA557945, N20034, F26713, AA126475, AA507526, AW190484, AA714062, H78898, AI799260, AI709180, AI866996, AI858632, W63553, AI246996, AA018923, AA862029, AA012829, AA988610, T87160, AC002472, AC007664, AC004486, AC007276, Z63710, AC003029, S77605, AC007546, AC002312, AC006318, AC004913, AL021453, AF111168, AC003969, AF161528, AC005066, AC005399, AL021807, AC004799, AC002404, X64467, AC003657, Z98304, AP000703, AC018633, AL031284, AP000702, AC004975, AL031597, AC007510, AC004794, AC002468, AC005157, AC006241, AC004149, AL049872, AL121825,

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HWBEZ94	6790	856472	1 - 342	15 - 356	AA730448, AA631915, AF1760850, AI221027, AI312614, AI038029, AA394283, AI889177, W58735, AI148840, AI708565, AL120719, AA494047, AW419227, AA632355, AA618531, N35135, AA513189, AI049630, AA525517, AA125758, AL037699, AA679336, AA670459, AL024474, AC005753, AC007130, AC006261, AL109982, AC006024, AL109758, AC005695, AC007160, AL022158, AC005015, AC002115, AL024507, AC005598, AP000303, AP000114, AP000046, AL050341, AC004929, AC005684, AC004695, AC006449, AL031719, U70878, AF196972, Z95115, AL020997, AC003093, AC002126, AL020995, AC005632, AL132987, AL035462, AC007016, AP000260, AP000099, AC005164, AP000036, AL133289, Z98047, AF001552, AC004703, Z94044, AL031447, AF118808, AC006360, AC004812, Z85986, AC004912, AP000553, AC008123, AC007878, AF152365, AC004526, AP000094, AC004125, AL135744, AC010349, AC007917, AC004414, AC004041, AL049843, AP001171, AC000025,

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HWBFE76	6791	769769	1 - 407	15 - 421	
HWBFG09	6792	625162	1 - 200	15 - 214	
HWBFL35	6793	722921	1 - 346	15 - 360	<p>AI307391, AI866416, AI934536, H84364, AW380728, AA411937, R56481, AA128370, AI000242, AW295845, AA373919, AI432666, AI432644, AI623302, AI431307, AI431316, AI431238, AI432650, AI431315, AI432653, AW081103, AI431323, AI432654, AI431321, AL047611, AW058275, AL042729, AI431235, AL134524, AL042655, AW193606, AL043166, AI431246, AL042853, AI590043, AI500714, AW151974, AL042533, AI872315, AI682915, AL042787, AI889208, AL135012, AI866786, AL042508, AL042842, AL042488, AL043089, AL043295, AI537677, AI494201, AI500659, AL042931, AI866465, AI355008, AI289386, AI815232, AI801325, AI500523, AI538850, AI887775, AI582932, AI923989, AI872423, AI284517, AI491710, AI500706, AI445237, AI491776, AW151138, AI889189, AI521560, AI500662, AW172723, AI539800, AI284509, AI538885, AI440263, AI889168, AI866573, AI633493, AI434256, AI866469, AI434242, AI805769, AI888661, AI284513, AI888118, AI859991, AI436429, AI866484, AI355779, AI889147, AI581033, AI371228, AI440252, AL046356, AI860003, AI610557, AL045327, AI242736, AL043321, AI828574, AI887499, AI539781, AI539707, AI559957, AW089557, AI521571, AI884585, AL042515, AI890907, AI445256, AI932620, AL041862, AI866488, AI432677, AI582912, AI623736, AL047675, AL040207, AI804505, AI815239, AI863210, AI866691, AW194509, AI926593, AI289791, AI469775, AI285417, AI927233, AI432656, AI521551, AI285439, AI654286, AI440238, AL042802, AI924051, AI567971, AI539260, AL045891, AI702065, AI885949, AI285419, AI866581, AI866461, AW074057, AI567953, AI815150, AI446495, AI952433, AI889191, AI867068, AI225248, AL043278, AI371251, AI358271, AI866510, AI798359, AI282249, AI698352, AI475298, AI371229, AI539771, AI923046, AI890472, AI371237, AL043091, AL045328, AL042551, AW151136, AL039390, AI671642, AI357664, AW151979, AI582944, AI440260, AI648567, AI500526, AI433157, AI474699, AI866458, AL047422, AI521596, AW192487, AW132015, AL080007, AI888665, AL048951, AW151132, AW193598, AI433160, AI955221, AW197139, AI366900, AI554821, AL042832, AI275175, AI440236, AL122101, Y17793, AL133053, AL133049, AL133076, AL133074, AL049423, U75932, AL133655, U30290, E13998, S36676, AL122049, AC004213, AL133084, AR055519, AL133070, AR034821, AL133051, AL022723, AL133607, AL133015, AL133608, AR015970, AL133020, Y14634, AF002985, U57352, AF126531, and Z69719.</p>
HWBFL96	6794	708955	1 - 392	15 - 406	
HWBFM58	6795	735701	1 - 367	15 - 381	
HWBFM78	6796	773289	1 - 544	15 - 558	
					AA830979.

HWBFN30	6797	691611	1 - 262	15 - 276	AL031733.
HWBFY69	6798	754729	1 - 491	15 - 505	AL049636.
HWBFY88	6799	701904	1 - 134	15 - 148	
HWBGB08	6800	958611	1 - 194	15 - 208	AA747998, AI815031, N67227, C01451, A1223999, AA831672, AW297416, AI371399, AA994323, AW439548, AW235171, AA063573, AW339548, AI635436, AI823872, R33402, AI536057, AA825399, AF130247, and AF165138.
HWBGB47	6801	948714	1 - 290	15 - 304	
HWBGD16	6802	924830	1 - 600	15 - 614	AA287163, N47440, AA002012, AA431617, AA259159, AA091603, N33783, R60031, AL134088, AL134530, AL134519, AL119439, AL119484, and AL043147.
HWBGF15	6803	659687	1 - 236	15 - 250	
HWBG101	6804	915603	1 - 324	15 - 338	
HWBG113	6805	656308	1 - 366	15 - 380	AA715873.
HWBG130	6806	691511	1 - 298	15 - 312	
HWWAZ06	6807	933736	1 - 394	15 - 408	AI208828, and AI949453.
HWWD103	6808	922463	1 - 554	15 - 568	
HWWEF06	6809	933697	1 - 605	15 - 619	AI564440, AI792916, AI952802, AI380089, H05684, AW130075, AA745681, AA256184, AC006129, AC007065, and Z97054.
HWWE10	6810	961741	1 - 618	15 - 632	AA618155, AI924667, AI345256, AA804838, AA829199, AW022796, AI871940, AA578245, T03613, AA558134, AI149177, H94598, AI049999, AA364147, H86399, AA648605, AW028376, AI281622, AI254267, AI753969, R79396, T16147, AI282322, AA657808, AA984891, AI358505, AW268090, AA947352, AI640905, AI828721, AI196287, AA569206, AI744890, AA084148, AI434103, AI884404, AA449825, W27084, AA643768, W02419, AA367920, AW023390, AA825954, F16848, AI361401, C14724, AA489897, AW085626, W45215, AI002863, AI337612, R83710, AA608675, H83955, AC007793, AC003973, AF001549, AC005516, AC005231, AC009247, AC002544, AC002416, AI132987, AC002449, AI022320, U91326, AP000952, AC007981, AC004663, AC004812, AP000550, AC008018, AC005412, AC005288, U80459, AC016025, AC016026, AC007546, AC020663, AL049697, AC007066, AC005666, AP000356, AL031662, AC008132, AC008372, AC007845, AL080243, AC007263, AL049776, AC022517, AC004841, AC000134, AC006020, AC005257, AL022326, AF165926, AI132641, AC010849, AL021546, AF207550, AC005899, AC007565, AC005484, AC012627, Z83844, AL035400, AF124523, AP000221, AF111169, Z97184, AC005180, AC000353, AC005914, AC002091, AC004895, AL109963, AI031680, AC012330, AL023879, AL022322, AC005067, AC007051, AC009516, AL109827, AC003002, Z73359, AC004055, AC004771, M57678, Z82190, AC007052, AC005740, AC007919, AC005488, AC002077, AC001231, AC004263, AI246003, AF205588, AC005225, U80017, Z83856, AL117337, AC005574, AF196971, AC005520, AL031733, AC006023, AL031281, AL050341, AC004797, Y18000, AL109627, AL133245, AL031432,

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HWWEPS6	6811	951811	1 - 551	15 - 565	AL439704, AL377300, AA910231, AW297398, AA907716, AA287041, AL048499, AL1934011, N95189, AW151979, AL037043, AL141406, AL336494, AL683157, AW081689, AL357672, AL045986, AL137476, AL080147, AF061981, AF007142, A21103, AL137478, AL133084, AR038854, AR055519, and AF054988.
HWWFAl2	6812	968958	1 - 451	15 - 465	AW392670, AW363220, AW384394, AW372827, Z99396, AL119341, AL119396, AL119497, AL119443, AL119457, AL119324, AL119522, AL134902, AL134528, U46347, AL119483, AL134533, AL134527, AL119399, AL119335, AL119418, A81671, AR060234, AR066494, and AR069079.
HWWFK07	6813	951819	1 - 490	15 - 504	AC022517.
HWWFU42	6814	961739	1 - 325	15 - 339	AA936399, AL379676, AL119511, AL119457, AL783569, AA693331, AL800370, AL079794, AA128660, AL241678, AL468959, AL251221, AL043152, AL254715, AL491904, AL571699, AW090131, AL440238, AL68204, AW058233, AW080402, AW409821, AL524654, AL436429, AL582551, AL540676, AL690411, AL472767, AW149219, AL564716, AA427700, AL042382, AL557104, AL758437, AA769102, AA614517, AL690813, AL421662, N95566, AL244105, AL630927, AL814896, AL043168, AL046261, W46513, AW090387, AW081661, AL345688, AA421957, AL119399, AL040169, AL921132, AL504448, AL537274, AL687568, AA243996, AL038445, AL120706, AL118781, AL887775, AW167918, AL288328, AW162194, AW242197, AL636811, AL952433, AW236186, AW083572, AA190341, AA665669, AA743385, R41605, AW074199, AL573026, AL219380, AA464646, AL285514, AL584130, AL811811, AL538850, AL583567, AW079336, AL120736, AW168296, AL045903, AL680498, AL348777, AL335426, AL686749, AW176256, AW083111, AA830609, AL866465, AA831987, AL520897, AL042544, AL345013, AL499573, AL697359, AL273856, AW130129, AL921167, AA743354, AL440263, AW079432, AL043355, AW169213, AL525669, AA437338, AL280655, AW026905, AW410090, AL380723, AL119324, AL635079, AL473208, AL660903, AL925685, AW024185, AL120987, AL280756, AL299677, AL370322, AL440444, AW081383, R36363, AL868180, AL633061,

AI307736, AI334893, H41759, AI349186, AI810589, AI348969, AI572889, N71180, AI537967, AI800179, Z99428, AW028416, AI698401, AI336495, AA587590, AI336654, AI537643, AI340644, AI345639, AI691131, AI334930, AI309443, AI345562, AI335235, AI307520, AI627874, AI345026, AI307454, AI313346, AI349279, AI340664, AI310592, AI307542, AW167222, AI345817, AW020710, AI697306, AI469738, AI345739, AI345674, AI700159, AW089233, AI538885, AI307550, AI312143, AI349637, AI312168, AI344843, AI52326, AI619723, AA806534, AI334920, AI690389, AI887389, AW071276, AI340726, AI570872, AI310927, AI285777, AI955441, AL048499, AA012905, N22276, AI307578, AI336488, AI349955, AI349738, AW089310, AA514684, AW075093, AI312340, AI452857, AI923989, AW075484, AI309589, AI310930, AI312432, AI758309, AW194014, AI434731, AI312357, AA641644, AI334446, AI921633, AI536664, N75771, AI312237, AI612885, AI470648, N25033, AI500588, AI859991, AI349601, AI307549, AW327325, AI49213, AI335125, AI473471, AI559317, AI678446, N98597, AI049733, AI742728, AW196720, AI925463, AI954504, AW366372, AI284131, AI924035, AI917252, AW168705, AW080675, AW020693, AI673140, AI634736, AI631216, AI345415, U90884, X99257, AF118094, AI33557, AJ003118, Y11587, AF113019, AF061573, U77594, AR068751, AI137480, AB031064, AL080163, AL049314, AR050959, AI137292, AF153340, AI110296, AF158248, AI137521, AF017437, U58996, X52128, AI137471, AL023657, X60769, U79523, AF100931, U86379, AL050138, AU2766, U49434, AF036941, M85165, AF090943, AL080234, AI137284, X53587, AB007812, E02914, U92068, AL049464, AF141289, AB025103, X55446, AJ006039, Z97214, AL068466, AC006978, AF077051, M84133, AI137656, AI117435, AI137665, S77771, AI18777, AF111849, AL035067, AI133112, X95876, AI2297, AI137254, X06146, I77092, A70386, AL034374, U75932, AF067728, A90844, AF111851, M85164, AF017790, AI137533, AR038969, X59414, AF042090, AF082526, AL049938, AL110196, AF155119, E01314, X86693, AL096751, AF055917, U49908, A07588, I33391, U02475, M96857, X96540, AL133113, E12579, E12580, E01963, AF077349, AR038854, L40363, AF079763, AF094480, AI133606, AB029065, AF047443, AF179633, AR053103, AI5345, AF141315, AF022813, X87582, A77033, A77035, AR059883, A52563, E06788, E06790, E06789, L24896, AL110159, AL122110, AR013797, AF175903, AL137478, E03349, E02349, AL133016, A45787, U68387, I32738, AL035458, Y10655, E02253, AF069506, X89102, AL117649, U83980, A07647, X99717, AL050143, AL110225, I3297, A21101, X57961, E12747, AL136884, AL049996, X76228, Y18678, AF132676, AF061836, AF176651, AL110197, AF200464, AR054987, AI137275, AL110222, AF111845, AC018767, S78453, AI137298, AL122093, AL110158, AF090900, E08631, AI137558, I66342, AI137548, AI133085, AL049276, AF026816, AF031903, AF126247, AI137557, AF113699, AL080110, AF026030, AF192557, U67082, U55017, X67688, AF044221, AI137529, U87620, AL050116, AL050108, AI137547, AJ010277, Y08616, AL049426, X67813, AF150103, AL133619, AI137555, AF140274, AF201468, A90832, AF035161, I29004, X66417, AI133084, Z0553, AI049465,

						AF145233, E05822, AF087943, X80340, AF115392, Z82022, A1238278, X84990, AL122098, S69510, AL080140, E01614, E13364, X72889, AL117629, L04859, X61970, AL137463, AL080086, AF078844, AB016226, U92992, AF119336, Y11254, AF038847, A83556, AF081366, AL122106, S69385, Y09972, AF199509, AF113676, E04257, and I25048.
HYAAB66	6815	463413	1 - 312	15 - 326		
HYAAC60	6816	731763	1 - 538	15 - 552		
HYAAD03	6817	923797	1 - 437	15 - 451		
HYAAD67	6818	664597	1 - 431	15 - 445		
HYAAD95	6819	920280	1 - 1417	15 - 1431		AW404921, AF169693, AF949630, AA813912, A1651987, AF1762498, AW405307, AA465011, A1652520, AA432286, AW237204, AW341847, AF962755, AA814312, A1440085, AA428631, AW405306, AF866838, AA443988, AA455291, AA984896, AA748641, AF696088, T78905, AW050810, AW406430, AF084063, T78957, T96418, AF1005501, AF1352635, R11250, R02626, AW408158, R11198, R01685, T96502, AA767241, AA865672, AF383849, and AA299913.
HYAAF33	6820	915050	1 - 439	15 - 453		AA459128, AW245218, AF192687, N48381, W37954, R75759, and AF121858.
HYAAH26	6821	681251	1 - 438	15 - 452		AA834566.
HYAAH36	6822	947242	1 - 428	15 - 442		AL109847.
HYAAI55	6823	674591	1 - 243	15 - 257		N71364, N71313, and AA370184.
HYAAI67	6824	706512	1 - 252	15 - 266		AC006064.
HYAAI36	6825	744792	1 - 401	15 - 415		AW303286, AF208356, AW341447, AW269000, AF1215965, AF932361, and AF1001927.
HYAAJ89	6826	678728	1 - 555	15 - 569		AW183775.
HYAAN31	6827	697590	1 - 547	15 - 561		AC002364.
HYAAO39	6828	599000	1 - 398	15 - 412		
HYAAR17	6829	662426	1 - 472	15 - 486		AC005076.
HYAAR95	6830	862585	1 - 676	15 - 690		AA764893, AF355333, AA826004, AF174651, AA847948, W45298, W45283, AF090334, AA502050, AF446601, AF282832, AF713716, AA847984, AW274101, AW274349, AA789107, AA501784, AA714140, AA112458, AA579736, AA708678, AA570227, F17700, AA074265, AA789115, AW131034, Z93017, AC006312, AF031282, AC005480, AC005932, AF031283, AC005529, Z83840, AC006965, AC005031, AC009516, AF049576, AC007055, AC005237, AC005746, AF031587, AC006285, AF000512, AC002565, AF117330, AC004584, AF133382, AF031848, AF132712, AC005911, AF005971, AF090930, Z95114, AF000557, AC005837, AC007308, AC005409, U96629, AC005180, AF134736, AF1024507, AF132992, U95742, AF031311, AC004019, AF035417, AC005777, AC006130, AF036572, U91328, AC007666, AC006539, AF111168, AC000052, AF196779, AC004531, U80017, AF096794, AF008582, AF121754, AC007216, AC005231, AF000354, AF049709, AC005225, AF022329, AF135744, AC004805, AC007993, AF001550, AC005043, AC004475, AF035683, AF109963, AC005412, AC004694, AF034420, AC005722, AF121825, AC004876, AF003147, AF049830, AC005291,

HYAAS08	6831	926017	1 - 299	15 - 313	AC006050, AC007371, AL133371, AB023051, AC005832, AC002312, AC005209, AF129756, AC005387, AC005399, AC002347, AL020997, AC006166, AC002310, AP000038, AC005972, AL049761, AP000553, AC006057, AC005089, AC005527, AP000558, AC005808, AC005520, AC005212, Z97054, AF121781, AC004890, AC005004, AC004552, AC005015, AF200465, AP000556, AL022163, AC004858, AD000092, AP000036, AL080243, AC005288, AC007240, AC006238, AL031280, AC003982, AL035458, AC004686, AL035681, AC007151, AL049760, AC005523, L44140, AP000555, AF109907, AC006480, AC004771, AC004854, AF044083, AC005500, AF196969, AC007324, AC007731, AL031680, AC005846, AL031668, AC005264, AL049776, AC003101, AP000088, AL031295, AC005755, AL049779, AC005006, AL133448, AC006254, AC010200, AF037338, AL117258, AC002425, Z86090, AC003036, AL035659, AC007157, AL049696, AC005104, AL031577, AC004099, AC007283, AC007382, Z98752, AC004895, AC004996, AL050312, AL008730, AC005355, AL035415, AC005562, AL133245, AL021578, AL121603, AC006277, AL049759, AC010205, AC005081, AC005778, AC004659, AC006512, AL049766, AP000162, and AL096701.
HYAAT50	6832	724047	1 - 572	15 - 586	AL590404, AL984168, AL915081, AW404543, AL242994, AA247480, AL500645, AW275432, AL173523, R72363, AL610243, R89560, AA595661, H81143, AA358064, AA487053, AL682899, AA730872, AL521042, AA935767, N94115, AA502673, AA484892, N26866, AL570067, AA845690, AL271693, AL048969, AA225141, AL635889, AL888017, AA199578, AA177130, AL216151, AL302917, R61887, AA720582, AL282488, AL292275, AA640104, AA669165, AW072963, W44797, AL307563, F00574, AL280535, AA372053, AA829565, AA507623, AL131796, AL866911, AL040051, AL751341, AL926104, AL889995, AL452836, AL302350, N24909, AL039471, AL500563, AA634786, AA493808, AA015948, AA054085, AA910125, AL521525, AA018207, AW020094, AL031759, AA085106, C15966, AA324108, AL523205, AA342029, AL969095, AA516242, AW117860, AL121174, AW008089, AA402129, AA452887, AA569235, AC004447, AC008115, AC008154, AC003109, AC005037, AL050318, AC005730, AF111168, AC006597, AC004796, AC002504, AC002349, AL022313, AL031432, AL049733, AC005303, AC004707, AF003626, AC006441, AC005339, AC005828, AL109628, AC007637, U07561, AC003013, AL008716, AL031433, AL031662, AF001549, AC004112, AC005015, AC004081, AP000402, AL049780, AL022721, AL050307, AC002357, AC005808, AC002059, AL022326, AC004104, AL133448, AC005231, AL035457, AC003010, U91326, AC002544, AC004033, AC006285, AB004907, AC009247, AC005500, AC005954, AC002351, AC004659, AC004673, AP000501, AC002036, AL009181, AL133246, AC008044, U82668, U91324, U80460, AC004125, AL096755, AL031657, AF217403, AC003108, AL035413, Z98743, AL035072, AC016025, AC004533, AC004590, AL031286, AC005410, AL024498, AC007371, AL034451, AF207550, AC006468, AC003695, AL035659, AL035420, AC005914, Z82976, AL023575, AC005325, AL031228, AC005358, AC004685, Z73979, AP001065, AC004491, AC002310, AL008637,

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HYAAU42	6833	890595	1 - 640	15 - 654	AA078383.
HYAAU88	6834	786666	1 - 595	15 - 609	
HYAAU05	6835	934878	1 - 176	15 - 190	
HYAAU17	6836	662439	1 - 371	15 - 385	
HYAAU65	6837	630213	1 - 220	15 - 234	AL580869, and AL492476.
HYAAU36	6838	766694	1 - 675	15 - 689	W68830, W79652, Z82188, and AF077208.
HYABB23	6839	675659	1 - 516	15 - 530	AA165103, R66289, R65738, AA576361, AA225996, AL825399, AA557529, AA225997, AL934434, AL732388, AB000616, and AB000628.
HYABB40	6840	799572	1 - 531	15 - 545	AW080842, AL126237, AL738708, AL288602, AL200312, AA033525, AA070152, AA033526, AW293916, AA748547, AW182578, AA961647, AA808104, AA410505, AA884100, AL635980, T71568, AA580797, AL004853, AA975024, T82022, AL674097, AA988905, AL133609, AL137420, and Z94722.
HYABB96	6841	692653	1 - 295	15 - 309	W32758, AW026680, AB014536, and AF077226.
HYABC02	6842	919212	1 - 491	15 - 505	Z97988, AC005823, AC006441, AC004941, and AL034429.
HYABC58	6843	924677	1 - 453	15 - 467	
HYABE67	6844	822985	1 - 304	15 - 318	R27814, AL821365, N31533, and AF068302.
HYABE85	6845	697593	1 - 672	15 - 686	R59561, AA513678, and AC005037.

HYABG22	6846	811950	1 - 280	15 - 294	AA883214, F11291, AW402414, AA099843, AA215472, AW341298, A1298948, AL043290, and AB014566.
HYABL55	6847	678864	1 - 460	15 - 474	AW451063.
HYABP53	6848	971448	1 - 1437	15 - 1451	AW295244, AW383680, AA291031, AA836103, AA825935, AW383670, AW451843, AW383673, AA290625, A1377702, A1347054, AL119324, AL134524, AL119457, A1431323, AL119399, AW392670, A1432666, AL042544, A1432644, A1623302, A1431307, A1431316, A1431238, A1431230, U46347, AW081103, A1432677, A1432653, A1432654, A1432650, A1431353, A1431328, A1431235, A1431312, A1431321, A1431315, A1432655, A1431310, A1431246, A1431231, A1431257, AL119443, A1431347, AL043003, AL119484, A1432657, A1431247, A1431354, AL042729, AL042533, A1431350, AL119439, A1431318, AW384394, AW363220, AL042931, AW372827, A1791349, A1729223, A1432661, A134153, AL042655, AL042842, AL042508, AL042420, AL042853, AL119319, AL119418, A1431314, A1863305, AL043166, AL042832, AL047611, U46351, AL045327, U46350, AL135012, A1492510, A1492519, AL119391, A1432643, Z99396, AL042802, A1432675, AL042741, AL119497, AW128884, AW128900, A1431337, AL119363, AL042787, AL119355, A1432651, A1432647, U46349, AL042515, AL119522, U46341, AL119444, A1142134, AL119483, AL043295, AW084068, AL134132, AL119396, A1432674, AL134530, AL134519, AL119341, A1431330, AL134531, AL037205, AL119401, AL134527, AL134528, A1431308, AL043147, A1431243, U46346, AL119335, AL119464, AL043091, A1431248, A1432649, AL134533, A1432672, AL040207, AL042542, AL119496, AL042488, A1432665, AL134538, U46344, U46345, AL045328, AL043089, A1431241, A1284508, AL046356, AL043321, A1561182, AL042614, AF019249, AR066494, AB026436, Y17793, AR060234, AL133074, AL133053, AL133049, AL133076, AR054110, A81671, AL133068, AL122101, and AR069079.
HYABV14	6849	956236	1 - 574	15 - 588	AA282390, AA278249, AA488762, AA489734, AA482174, AW134842, A1762326, AA807226, AW082334, AA278706, AA724066, AA521424, AA909178, AA831579, A1131560, AA872215, AA993920, A1243205, A1524170, AA972085, and A1017999.
HYACG89	6850	724923	1 - 505	15 - 519	Z33538.
HYACI15	6851	674268	1 - 292	15 - 306	
HYACI18	6852	665720	1 - 568	15 - 582	N91098.
HYACI64	6853	929756	1 - 511	15 - 525	A1248214.
HYACI95	6854	746317	1 - 519	15 - 533	AL660312.
HYACI53	6855	727948	1 - 702	15 - 716	R00426, H69800, H69804, H69043, H61839, Z98884, and AL109628.
HYACF71	6856	760102	1 - 551	15 - 565	H06009, and R20240.
HYACE11	6857	966482	1 - 478	15 - 492	AA226164.
HYACD06	6858	974495	1 - 370	15 - 384	N27362, N23649, AA601503, AA425283, AL048969, A1355572, AA524604, AA595661, A1114869, A1310670, AA640305, AL037067, C15966, A1521525, A1732720, N68677, AW270287, A1272246, AW272815, A1086603, A1224583, C06151, AA535558, R22196, A1754064, AA559219,

AA324108, AA489390, AW419201, AL926102, AA679794, AA669225, AL613459, AA730872, AA493464, AL702049, AA369494, AL349130, AA525423, AW021105, AL134338, AA514937, T49381, AL791457, AL732501, AA831714, AA526415, AA862035, AA491827, AW276968, AL547110, AL061313, AA526542, AA664963, AA382435, N95424, AL275989, AL254267, AA568303, AW410844, AL523205, AA601376, R43468, R23873, AA904275, AA582080, AL076729, AA610381, N27737, H37968, AL121039, AL986101, AW085751, AA199578, AL114494, AA847504, AW103990, AW275788, AL065031, AA708751, AW419209, AW302705, AA761606, AL751341, AC004134, AC004099, AF207550, Z97056, U91326, AC004686, AC005730, AL031587, AC005911, AC005089, AF038458, AL078593, AL121603, Z97054, Z83840, Z86061, AC005755, AC006965, AC005839, AC004929, AC005914, AC006001, AC005280, AL008582, AL096791, AL034555, AC005500, AC003006, AC005546, Z83844, AC004583, AC004755, AL049766, AC006536, AL035089, Z98051, AC006942, AC007731, AC005519, AC004890, AF042089, AC006251, AC003029, AL109984, AC005082, AC005399, AC005800, Z97183, Z95113, AC000094, AL035422, AC010077, AP000557, D88268, AL080243, AC005225, AC002470, AC005277, AL023575, AC007226, AC004542, AC005913, AC006121, AB023048, AL022316, Z98304, AC007686, AC005696, AC004893, AL031433, AC002375, AL133353, AL021578, AC007666, Z93930, AC004531, AC005067, AC003982, D87675, AL031005, AL109758, AC000003, AL031670, AL050308, AP000031, AC005666, AC005726, AC006160, AL031659, AC007546, Z93241, AC007406, AC007688, AC007283, AL049795, AC005335, AC008372, AC005011, AC005531, AL031281, AC005971, AL024507, AC005484, AC004913, AC006088, Z85986, AL020997, AC004139, AL049777, AC002395, AC005921, AC005372, AC004865, AB001523, AL022302, AL09183, Y18000, AP000135, AC005632, AL049569, AL021391, AC005081, AL022476, AC009946, AP000505, AC007021, AC005086, Z15025, AL133448, AL022726, AC005944, AC004762, AC004150, AC009516, Z93244, AC005829, AC007030, AC005207, AC005288, AL021707, AF129756, AL022322, AC005257, AC010170, AL031255, AC006515, AC007371, AF134726, AC006241, AL121595, AL035460, AC005841, AC006162, AC004821, AC005972, AC006111, U72788, AL049539, AP000703, AC002314, AC008115, AC004983, AL109827, Z86090, AL035423, AC020663, AP000563, AJ011930, AC008273, AF047825, AC006064, AP000556, AC005015, AL139034, AC006480, AL031845, AJ003147, AC004685, AL096774, AC005932, AP000502, AL135744, AC006468, L78810, Y12855, AC007227, AC007151, AP000692, AL033527, AC004598, AL022723, AL109952, AP000555, AC004999, AC004895, AC003010, AC000052, AC006538, AC006511, U91322, M63543, AF165926, AC004587, AL031120, AC005041, AC012627, Z49236, AC004953, AC005377, Y14768, AB032485, AC006581, AL031680, AC005815, AP000140, AC006958, AL022336, AL049776, AL031282, AL031602, AP000354, AC005037, AF030876, AF111168, AC004263, AL023694, AC007676, AL034429, AC002045, D87008, AC003969, AP000226, AC000120, AC005940, AL021453, AL035086, U178027, Z73420, AC002425, AC004019, Z95115

HYACC03	6859	923525	1 - 709	15 - 723	AF196969, AL109798, M89651, AL031589, and AC004477.
HYABB43	6860	800006	1 - 449	15 - 463	AA179370, and AA464124.
HYAAY57	6861	734463	1 - 430	15 - 444	AA131782, AL279457, AL459300, AJ887969, and AC010175.
HYAAV45	6862	717479	1 - 530	15 - 544	T66305, AA886512, F09927, AA749328, AA815166, AL475828, AA648819, AA651977, AA953511, and AA741442.
HYAAU65	6863	909956	1 - 581	15 - 595	W88974, and AC004582.
HYAAT55	6864	731420	1 - 398	15 - 412	T81523, T98761, AL080117, AB023176, and U14103.
HYAAT39	6865	929758	1 - 447	15 - 461	T98379.
HYAAN84	6866	782838	1 - 802	15 - 816	R62243, AL298594, H00843, AA400786, AW453087, W69160, AA485564, W57903, AL1810717, AL860626, R69650, and R69664.
HYAAL49	6867	973089	1 - 479	15 - 493	AA464831, AA180467, AA505048, AA449184, and AC012083.
HYAAL41	6868	887395	1 - 622	15 - 636	AW392670, U46347, AB026436, AR066494, AR060234, A81671, AR054110, and AR069079.
HYAAL19	6869	668338	1 - 922	15 - 936	AA082707, AA081874, AL201257, AA489677, H22947, AL269725, N63194, H11596, F04937, R39853, N63182, R05455, and AC005070.
HYAAK77	6870	887044	1 - 765	15 - 779	R84433, H83979, and AA017024.
HYAAK74	6871	765252	1 - 510	15 - 524	R93968, W93000, and AL109613.
HYAAJ03	6872	923526	1 - 434	15 - 448	AL092745.
HYAAF78	6873	773433	1 - 467	15 - 481	H01888, R93377, AL110203, Z83843, and AC004386.
HYAAD24	6874	677019	1 - 550	15 - 564	H63893.
HYAAC24	6875	677010	1 - 675	15 - 689	AA075368, AA075369, AA559324, AA804735, AL336026, AL114694, AL732327, AC007406, Z69364, D87009, AC004815, AL031257, AC007263, and Z83844.
HYAAB40	6876	841969	1 - 631	15 - 645	AA497098, and AC006023.
HWWEW1	6877	965434	1 - 648	15 - 662	W38418, W38417, AW362370, AL368729, AL523296, AA548224, AA868898, AL653483, W73847, AA558195, AA700476, AL828445, AW305153, AA548241, AA707354, W69719, W73703, AA164647, AL539088, Z19840, AL752812, AL752779, AW262145, W38359, AL399680, AA164646, R71097, AL073454, AL871525, F09131, AL686475, AA917430, AA372471, AL811402, R71445, AA418958, AL695645, AL242956, AA385654, AL304631, AL597928, AW362391, and A75407.
HWWE11	6878	965426	1 - 423	15 - 437	AA553392, AA526829, AL023375, AC008372, AC005839, AF111168, AC005288, AC007371, AC004520, AC000353, AL031733, AL022163, AL022320, AC005756, AC004983, AC004707, AL121652, AC002300, AL109984, AC006581, AC004966, AJ003147, AC005510, and AL031276.
HWWE06	6879	933690	1 - 415	15 - 429	AW452648, AL249134, AA831307, AA504653, AW182255, AL468242, AW444889, H14382, T33198, AA731107, F37077, R99416, W46344, W05246, AL632386, AL521519, AW150858, and AF151907.
HWBGG82	6880	779081	1 - 665	15 - 679	N23897, and H84937.

HWBGR04	6881	927284	1 - 477	15 - 491	AI338804, and AL120936.
HWBFR46	6882	800638	1 - 1783	15 - 1797	AI791349, Y1793, and AF064854.
HWBEG18	6883	909798	1 - 940	15 - 954	AA906863, AW408789, AW452373, AA352977, AA732349, AI269653, AI492098, and AB020653.
HWBEF69	6884	754328	1 - 506	15 - 520	T85049.
HWBEE25	6885	677660	1 - 520	15 - 534	H46563.
HWBEA06	6886	934820	1 - 361	15 - 375	AA641774.
HWBDU71	6887	835888	1 - 521	15 - 535	AA502126, AL109939, AC004859, AC008078, AC005951, and AF002223.
HWBDU58	6888	735774	1 - 930	15 - 944	H20642, AW294637, R60622, R25933, and Z74739.
HWBDS59	6889	743462	1 - 768	15 - 782	W94699, W88759, W88744, W88864, AI081615, AI903841, AA176310, H81217, AW090258, N73198, N58667, N48499, AA359586, W25203, R81022, AA345015, AI940407, AA113397, AA215919, AI807163, R95799, H37844, R87151, AA630583, T71499, N77311, W88840, H66405, AA309734, AA026675, AA385486, R87079, AA315010, W37275, R01782, Z71183, AL050254, A85213, and AF129537.
HWBDS12	6890	971872	1 - 430	15 - 444	AI189929, AI300829, AI829939, AW452299, AI188478, AA651825, N42191, W37646, AI002523, AI672667, AI344390, AA948467, W37382, AA831436, R11180, AW191839, AA287646, AA845191, AA835036, AW196619, R95793, AA502473, AA480612, AA704742, R11179, and AF201951.
HWBDR82	6891	779002	1 - 469	15 - 483	AA905379, T91925, and AC000386.
HWBDQ38	6892	735769	1 - 731	15 - 745	T81870, and N52370.
HWBDL82	6893	728805	1 - 647	15 - 661	AW247455, H10647, T80026, AA322636, AA663768, H39049, R15783, AA203493, W78783, AF070594, AF033827, and AF022729.
HWBDK08	6894	958956	1 - 370	15 - 384	AI917114, AI873737, AA664124, AL039309, AW161459, AW161879, AI191343, AI003797, AA936548, H24953, AA715508, AA504951, AA524846, AW243945, AA728861, AA664248, AW275432, AA525041, AA715351, AL043745, AI805261, AI246061, AW069227, AI246192, AI80889, AI865980, AL134216, AI634187, AI457313, AL138299, R95030, AL031281, AC002395, AC007656, AC005519, AF139813, U85195, AC005274, AL031767, Z97054, AE000658, AC004228, AC007564, AL121603, AP000692, AC003041, AP000500, AP000503, AL031311, AL031680, AC005562, AF111168, AL079342, AC007938, AF111169, AC005529, AC006449, AL078615, AL049699, AC006115, AC007684, AL035460, AC005291, AI132712, AC005037, AC002312, AC004859, AC006254, AC007216, AC005722, AL109865, AC006121, AF111167, AC005969, U91318, AC006317, AL031282, AF134726, AC006480, AC004526, AC007376, U91327, AL031848, AJ011930, AC005520, AL109798, Z84469, AC004230, AF060568, AL122020, AP000193, AL109827, AC005899, Y10196, AL035427, AP000117, Z95152, AP000502, AC002120, AC004884, AL031667, AL049843, AC005730, AL021397, AL022238, AL132777, AL049830, AC005632, AC005180, AC002978, AC005839, AC007384,

HWBCV48	6895	721010	1 - 404	15 - 418	AP000462, AC007066, AC009247, AF107258, Z86061, Z95114, Z85987, AC005067, AC007666, AC005527, AC000111, AC000082, AC006441, AC009464, AL031594, AL049697, AC004491, AL080243, AB017654, AL022316, AL031670, AC004968, AC005031, L78810, AC002314, AL049759, Z93016, AL121877, AC005598, AL096701, AL034548, AL049872, AC005280, AC002073, AC005666, AC004668, U80017, U82828, AC004583, AC010205, AD000092, AP000553, Z98946, Z85986, AC005531, Z84480, Z98884, AC005972, AC004895, AC006285, AL109627, U02051, AC003982, AC005036, AC005011, AL117694, AC006162, AL035686, U63834, AC006071, AC006241, AC005288, U95737, AL034417, Z98051, AC006080, AC002477, AP000311, AC005924, AC005099, AC002470, AL009181, AF047825, AF048727, AL049829, AC004936, AL049569, AC006344, AC007199, AC002299, AP000696, AC004755, AC005089, AL035422, AC005755, AC002456, AC004605, AC004129, AC004134, AC005399, AF053356, AL049576, AC005154, Z86090, AC006538, AL096791, AC004000, AL021155, AL022323, AL109628, AC004963, AC004659, AF129756, AC005488, AC005251, Z98200, AC005247, AC005736, AL022326, AC006360, AC004967, AL031589, AC005094, AC005412, AP000096, AL009031, AC006211, AP001052, AC006117, AL022313, AC005324, AC007386, AC002326, AC002365, AC006160, AC006322, AC005225, AC006026, AC006455, AC007546, AC004598, AL031295, AP000504, AC006388, AC009330, AC005484, and AC005914.
HWBCV48	6895	721010	1 - 404	15 - 418	AA213930.
HWBCU06	6896	935028	1 - 505	15 - 519	AL738409, AL359532, D78803, AA595178, AA587092, AW135877, and AC000120.
HWBCS08	6897	909031	1 - 548	15 - 562	AA197234, AL119641, AJ132948, AB029036, AF119043, and AL035410.
HWBCH41	6898	868342	1 - 356	15 - 370	AA279024, R10600, and AC006323.
HWBCD20	6899	669472	1 - 624	15 - 638	T78846, and AF007131.
HWBCA08	6900	958957	1 - 550	15 - 564	T12632.
IHWBBY86	6901	637734	1 - 491	15 - 505	AL096791.
HWBBV52	6902	726509	1 - 450	15 - 464	N32962, T87837, and AL021938.
HWBBU10	6903	964237	1 - 387	15 - 401	L25504, AL370343, L25228, AP000339, and AP000217.
HWBBT71	6904	760176	1 - 398	15 - 412	N44984.
HWBBR45	6905	887686	1 - 384	15 - 398	AA501578, AA927092, T94866, AA098829, R88888, AA199616, T65291, AL282336, H93144, AA632548, AA199631, AA780797, H86264, T90248, AA610420, AA772570, AA558060, AA804962, AA279427, R38154, AA161083, AA513293, AW074398, AA862173, H69580, AL053434, AL053816, AL054246, AA680211, AL824562, AA620425, N25296, AL963095, AA483034, AA834755, AA563818, AA908349, AL280264, AA613851, AA654771, H86301, R97634, AA847984, AA310879, AA732481, AL053429, AA583955, AA877817, H50727, AA747480, AA491284, AA574110, AA533725, H69640, AL312149, H85616, AW274349, T92445, AA521399, AA703707, AA649484, AA167673, AA632868, AA714595, AA649542, AW303196, AA603156, AW301350, AA554319, AA401657, AA775940, AA654627, AA661948, AA310868, AL561335, T71030, AL079843, AA837058, AA503258, H81733, AA810370, H09313, H86860,

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HWBBQ22	6906	861613	1 - 700	15 - 714	AA252664, AA593956, AA923113, AA551870, AL640612, W32234, AI220856, AI202821, AI199482, AI572009, AI815979, AI878998, AI879497, AI309256, AI885030, AW008397, AI816062, AW054852, AW007352, AI141037, H71578, AI693593, AA642443, AI197973, H01948, AA513683, AA283774, AA025347, N48184, AA293644, AA044813, AI660034, H89912, AA318740, R34586, AW293033, H13523, AI245242, and AF041429.

HWB86	6907	785313	1 - 535	15 - 549	R97917, R97918, H57950, and AC003999.
HWBM02	6908	919423	1 - 508	15 - 522	AA587133.
HWBBL57	6909	868349	1 - 416	15 - 430	AA559030, R16068, and T72674.
HWBBL03	6910	923691	1 - 455	15 - 469	AA565820, and AA420538.
HWBBF60	6911	740125	1 - 351	15 - 365	R38327, and A1470403.
HWBBE52	6912	868358	1 - 449	15 - 463	AW183158, A1743674, AW170591, A1244986, A1336219, A1285158, AW135808, AA612970, N52534, T72657, A932859, AA861691, A1868903, AW024446, A1760918, and A1783670.
HWBBD23	6913	675360	1 - 497	15 - 511	W56858, AB023145, and AB028449.
HWBAX77	6914	771938	1 - 526	15 - 540	H00548, and Z69648.
HWBAT83	6915	780976	1 - 412	15 - 426	M78523, H84125, AA013441, AA017681, H86611, AA651763, and AA873021.
HWBAS96	6916	796126	1 - 491	15 - 505	R06345.
HWBAR29	6917	690422	1 - 621	15 - 635	N36225.
HWBAQ71	6918	944080	1 - 458	15 - 472	AA078851, and AW237409.
HWBAQ02	6919	919351	1 - 519	15 - 533	A1221469, and AA883558.
HWBAO50	6920	724135	1 - 390	15 - 404	AA215799, AA523695, A1306717, R99076, A1915081, H29914, AA484892, AL045476, A1709174, AA582746, A1370170, AW272640, AW392414, A1130709, A1536858, A1537995, AA573000, A1131261, AA315361, AA458573, A1814682, A1291439, AW079737, AA984920, H80935, N69548, AA469441, AW265155, R87135, A1471455, AW190277, AW148775, AL046193, AL044340, A1687343, AA297776, AW302670, AW419389, AA429481, A1873627, AA078137, A1417586, R94436, AA298771, A1476049, AA657910, AW089016, AW084173, AL037927, AA662989, AA405798, T40629, AA568314, A1376454, AA515723, AA654482, AA837771, AL031428, AC006312, AP000501, AC006480, AC007225, Z93241, Z98946, AF064859, Z95115, AC005049, AF109907, AC005058, AC002477, AC004820, AF196969, AL121757, AC006101, AC004963, AL035422, AC005006, AL049712, AD000092, AL121603, AC004941, L78833, AC005924, AP001050, AL035086, AC007040, AC004025, AC004231, AP000312, AC005274, AL031668, AC000075, AC004491, AC004796, AL049835, AF006487, AF027974, AC004967, AC007878, AL031664, AL035071, AC002369, AC005823, AC005736, AP000356, AL049759, AC004656, AC004878, AP000503, AF165926, AC002544, AC006947, Z85987, AC004653, AC005696, AL139054, AL021394, AC003684, Z97630, Z85986, AF030453, AC005041, AC004883, AC006536, AC001228, AC005237, AF134726, AL109854, AL022322, AC005190, AL034423, AC003101, AC004526, AF129756, AL109984, AP000193, AP000045, AP000113, AC005800, AL022311, AF045555, AP000050, AC005509, AP000504, AL109623, AC005722, AC007559, AC005088, AC007546, AC004815, AP000117, AC004079, AC002312, AC005666, AC000059, AP000299, Z98272, AC005202, AP001052, AL008730, AF027390, AL049692, AC006057, AC005231, AC004217, AP001053, AC005081, AC005899, Z95331, AF038458, AC002126, AL034351, AC006270, L48038, AC005189, AC003004, AL023575,

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HWBA038	6921	709490	1 - 486	15 - 500	H59128, and H47298.
HWBAK65	6922	747731	1 - 503	15 - 517	AL359877, H09144, R44298, R51016, R50773, AL074576, AA035771, AL934373, T52471, H10009, R31770, AA397967, F04627, AL047188, AL042009, AL039390, AL046681, AL046137, AL049726, AA598862, AL249936, AL672187, AL042551, AL446483, AL045503, AW337394, and AC007688.
HWBAJ13	6923	975117	1 - 1792	15 - 1806	AL431351, AL119324, AL432644, AL623302, AL431354, AL431323, AL431353, AL431347, AL432653, AL431230, AL431328, AL432654, AL432655, AL431310, AL431312, AL492519, AW081103, AL432677, AL431337, AW128900, AL432661, AL432674, AL432675, AL432672, AL119319, AL432651, AL432647, AL431254, AL431241, AL431330, AL431243, AL431357, AL119457, AL432650, AL431248, AL431255, AL431345, AL432649, AL432665, AL431307, AL431346, AL431316, AL432662, AL432676, AL432673, AL432658, AL432664, AL431340, AL791349, AW128846, AW392670, AL042544, AL431238, AL119399, AW372827, AL431308, AL119443, AL432657, AL119341, AW128897, Z99396, AL431247, AL431751, AL119355, AL432643, AL119363, AL119444, AL492510, U46349, AL037205, AW384394, AW363220, AL432645, AL431231, AL119497, AL431257, U46351, AL119484, AL119391, U46350, U46347, U46341, AL119483, AW128884, AL431350, AL492520, AL142131, AL431318, AL134920, AL042433, AL119439, AL119522, AL119396, U46346, AL431235, AL119335, AL042984, AL431321, AL431315, AL492509, AL134902, AL119401, AL134536, AL119464, AL134525, AL431246, U46345, AL119418, AL119496, AL134538, AL042614, AW129223, AL042450, AL043019, AL042542, AL042965, AL042975, AL043029, AL042551, AL042729, AL043003, AL119304, Y17793, AR066494, AB026436, AF019249, AF064854, AR060234, AR054110, A81671, and AR069079.
HWBAH72	6924	766073	1 - 457	15 - 471	R53373, and R19776.

HWBAH16	6925	661664	1 - 591	15 - 605	N76551, AI051605, and AW450879.
HWBAF43	6926	715111	1 - 587	15 - 601	H69407.
HWBAF09	6927	625401	1 - 265	15 - 279	AA255938.
HWBAC02	6928	919559	1 - 438	15 - 452	AI129592, AW377636, and AW390415.
HWAGV04	6929	926759	1 - 482	15 - 496	AA169855, and AC004069.
HWAGQ02	6930	953013	1 - 675	15 - 689	AI829939, AA651825, W37382, AI188478, AI672667, AI344390, AA845191, AA835036, AA831436, AA948467, AA704742, AI002523, AW191839, AA287646, T62849, R95793, T90287, AW191840, R11180, AI189929, AA988042, AA99818, R94937, AI300829, AW196619, AA86287, AA938191, W37646, AW089814, N42191, R95749, N74604, AW452299, AA502473, AA480612, R11179, AA703157, AW341475, and AF201951.
HWAGO42	6931	958373	1 - 561	15 - 575	AI738975, AL036481, AA232116, AI337371, AW138609, AI654432, H24091, and AC007250.
HWAFQ10	6932	961339	1 - 1031	15 - 1045	AA417827, and AA256655.
HWAFM60	6933	868436	1 - 608	15 - 622	AA258987, AL020997, and AC007193.
HWAFG12	6934	969605	1 - 403	15 - 417	AI831120, and AW152248.
HWAFB87	6935	949950	1 - 437	15 - 451	
HWAFD56	6936	868452	1 - 407	15 - 421	AA460146, and AI962568.
HWAFD10	6937	903323	1 - 402	15 - 416	AI453777.
HWAFFA47	6938	948858	1 - 346	15 - 360	AC002310, AC002119, AC005839, AL049569, AL035683, AL031594, and AC007382.
HWAFFA05	6939	930990	1 - 786	15 - 800	AI991703, AI650617, AI051377, AW206131, AA284515, AA287237, AI797889, AI245567, AA576442, AI660645, AI091867, AA251505, AI141021, and AI536674.
HWAEZ81	6940	868460	1 - 505	15 - 519	AI368732, AI244157, AA297666, T57767, AA757426, AI814820, AI624528, AA664126, AI241705, AA130820, AC004985, D87675, AP000501, AL022320, AC005839, Z99716, Z81364, AF196969, AC005924, AL031291, U47924, AC005527, AL034549, AL023553, AF196779, AC005088, AC005779, AL050318, AC002310, AF031076, Z97054, AC005004, AF111168, AC004477, U95740, AC004796, AL033527, AC000353, AC005921, AC005529, AC002115, AC010168, AF003626, U63721, AC009247, AL035086, AC006512, AP000557, U80017, AC005015, AC007308, AC005519, AP000692, AF031078, AC005295, AC007263, AC005358, U62292, AC002470, AF030876, AC004686, AC005940, AC005702, AC004883, AC007055, AL096791, AL135744, L78833, AP000088, AC005280, AC002425, AC002300, AL121658, Z95114, AL022326, AC005017, AC007546, AL031276, AC007684, AC002565, AC006511, AC005874, AF134471, AC007227, AL031662, AP000555, AL109952, AC004024, AL034429, AC005632, AF109907, AL034420, AC002316, AC004859, AL050332, AC004655, AC005412, AL031255, AP000330, AC016830, AC005740, AC005231, AL031295, AC004841, AL080243, Z86090, AC005520, AC006480, AL049869, AC005971, AC005102, AC006441, AL035659, AC005666, AC004895, AC012384, AC004659, AC002504, AB023050, AC004765, AC002350, Z94802, AF001548, AP000067, AC005387, AC005911, AL035420, AC008044, AL049569.

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HWAEZ19	6941	874351	1 - 505	15 - 519		AA693960, AA773315, AA701937, AL640497, and AA679299.
HWAEU35	6942	887166	1 - 460	15 - 474		
HWAER10	6943	838763	1 - 402	15 - 416		AA747537.
HWAEP25	6944	951965	1 - 876	15 - 890		AA258884, AI133088, and AA134634.
HWAER27	6945	868494	1 - 566	15 - 580		AA663139.
HWAEG71	6946	931547	1 - 560	15 - 574		N43812, N28593, N42447, N25847, N42638, AA164284, and M94043.
HWAEC08	6947	958115	1 - 703	15 - 717		AI640322, H11674, AA481880, AI687453, T08591, AW408528, and AB018339.
HWADQ35	6948	868526	1 - 850	15 - 864		AW242308, AI718675, AA446440, AA639514, AA429990, D20149, AA446133, AW269686, AA446252, AA490572, and AI914301.
HWADO27	6949	682458	1 - 549	15 - 563		T83909, and R68586.
HWADN42	6950	713272	1 - 379	15 - 393		AI984550, and N79076.
HWADM84	6951	782685	1 - 730	15 - 744		H05351, AA826458, and AL137351.
HWADI46	6952	891149	1 - 252	15 - 266		R88163.
HWADE25	6953	677594	1 - 413	15 - 427		T70432, T83092, and W28247.
HWADD18	6954	665173	1 - 446	15 - 460		AL039706, AI744599, H19229, AI220556, AI954761, AI052561, AI992311, AL039705, R02726, Z40315, AI872336, W44986, AI521131, AW248932, AI032378, AI978572, AI950218, AI203399, AA858242, AI203400, and AR022159.
HWACZ56	6955	733002	1 - 312	15 - 326		AA056722.
HWACY70	6956	756888	1 - 540	15 - 554		AA127538, AA007643, AI702678, AA263149, AA285232, AI904448, and AW390105.
HWACS69	6957	774914	1 - 601	15 - 615		AA130132, AA826414, AW262702, AW069242, AA165524, AI922531, W81127, AI095845, AI424003, AI299901, AI557105, AI872483, AA088173, AA136051, AI216212, AA776540, AI383347, D20019, AI051093, AA405559, AA258314, H60707, AI168098, T65372, AI246309, H117966, AI572143, AI130119, H22958, Z39390, AW269492, F09402, R40023, F04748, F03710, AI619876, N90250, F02805, W94821, N66673, AA088630, AI419665, W31598, AI217531, R20768, R50838, AI378963, and AI890899.
HWACQ54	6958	729166	1 - 195	15 - 209		AA054175, AA018743, and AA015643.
HWACJ56	6959	733013	1 - 406	15 - 420		T81159.
HWACI46	6960	718711	1 - 526	15 - 540		T53843, and N77512.
HWACH03	6961	923374	1 - 415	15 - 429		AI051545, and T95620.

HWACD30	6962	691565	1 - 383	15 - 397	AI143085, W63738, and W61076.
HWABY08	6963	927387	1 - 416	15 - 430	AA242852, AI129391, AA743400, AI934605, AA252186, AA531278, AA705950, AA418351, AA834128, AA530987, AA252187, AW249796, AI377360, AI684366, R54388, H07875, AI289290, and AC006942.
HWABV67	6964	751409	1 - 504	15 - 518	N57896, and AC005232.
HWABV34	6965	868535	1 - 380	15 - 394	AI190781, AC005920, AC004531, AC006141, AL021391, AC004883, and Z93930.
HWABP20	6966	669486	1 - 370	15 - 384	T87470, and T85392.
HWABP19	6967	951277	1 - 433	15 - 447	AA535015, AA361063, AA361359, and AR035946.
HWABP02	6968	919442	1 - 448	15 - 462	AA766487, AA504639, and H83494.
HWAB113	6969	656767	1 - 678	15 - 692	AA258954, AA258920, AI251082, AA715090, AI674840, AI470431, AI2233604, AW360896, AW021735, H12071, H84675, AI754271, AI755164, AI431434, AA283005, AI470437, AW104793, AA077786, AI309375, AA581903, AA420998, AA572874, AA421078, AW275425, F12561, AA468022, AI274252, AA770584, AI042853, AI889566, AA877932, H09744, AI298061, AI281909, AW008450, R61498, AA876445, AW169038, AA665021, AA579367, AI537041, AA001904, AI017251, AA169129, AA476397, AA431949, AI766906, AI886432, AW021583, AA191659, AA630451, AL048534, AA53624, AA918958, AW192065, AI382289, AC006441, M74492, AC007993, AF053645, AC004884, AL034375, AC005562, AP000349, AC002430, AC004477, AL049759, AC000039, AC005778, AF031078, AC007384, AC005015, AC006023, AC004890, AF030876, AL121653, AL121658, AL031311, AC005034, Z98044, AC003109, Z98744, AC005952, AC005678, AC005102, AC002996, AP000320, AC004881, AC009516, AC007263, AP000556, AC005800, AL034551, AC005993, AF050154, AF106656, AC007676, AF037338, AP000351, AL049776, AC006511, AC005912, AL117338, AP000555, AC004778, AC006101, AC002558, Z83841, AC005701, AC005933, AL022165, AL132774, AL080243, AC004815, AL035659, AC006953, AP000557, AL117258, AC004227, AC007565, AC004475, AC012083, AL096701, AC004662, Z97054, AC004167, AP000135, AC002404, AC018633, AL021155, AP000031, AC004656, AC006241, AC005829, AC004061, Y07848, AC005786, AL109627, AL031846, AL022323, AL133297, AL133245, AC006548, D88268, U91322, AP000553, AC004851, AJ229042, AC006582, AC003999, AC004596, AC003036, AF196779, AC006487, U73636, AL035423, U52112, AB014077, AC005081, AF053356, AC007707, AL049757, AC004099, AL031281, AF064863, AC004841, AP000697, AC001226, AL035458, Z95125, AL035684, AC005412, AC005871, AL031428, AP000694, AC005759, L42088, AL049766, AC007227, AP000345, AC005568, Z95152, AC004209, AC000379, AC008134, AC006581, L78833, AL031984, AC004647, AC006039, and AC004134.
HWABH68	6970	929275	1 - 200	15 - 214	AA708891, T84753, AA862842, AA906049, H62449, AA197606, AI697110, AI476751, I162426, AI270685, AA588738, AA770029, AI803894, AA548631, AI859177, AI696295, AI559322, AA622890, C75563, AI830046, AW014772, AI678463, T98662, AW243066, AA677245, AA369307, AI282884, AA614646, C75627, AI698074, AW303681, AI310008, AA508708, and

HWABG11	6971	949088	1 - 710	15 - 724	A66648, AW028517, A1492449, AA172063, N71710, AA312583, A1243139, AA259158, H08035, and AA214724.
HWABD52	6972	726510	1 - 398	15 - 412	AA195245, AA416793, AA444146, AA193430, AL040098, and AA443964.
HWAAAY79	6973	791452	1 - 462	15 - 476	N64316, R63682, and AA418089.
HWAAAY51	6974	973237	1 - 350	15 - 364	
HWAAAX48	6975	721442	1 - 519	15 - 533	H08515, AW451243, A1342965, A1916317, and AW173677.
HWAAAW6 5	6976	779578	1 - 858	15 - 872	AA938191, AW089814, R96588, AW191840, AA988042, AA886287, AW196619, AA835036, R94937, AA999818, AA704742, AA831436, AA845191, AA287646, AA651825, A1188478, AW191839, W37382, A1344390, R11180, AA948467, A1672667, R95793, T90287, A1829939, A1002523, T62849, and AF201951.
HWAAQ76	6977	887772	1 - 987	15 - 1001	AA993487, AA969929, AA993756, AW023082, AW059828, AW161156, A1345335, AA715307, A1269862, A1364788, A1627988, AL036673, AL079963, AA225339, A1345005, A1698401, A1366900, A1860003, A1872423, AW268302, AW274192, AW072719, AW087445, A1783504, A1620284, AW162194, AL045500, A1866770, A1886753, A1824576, A1334893, A1306613, A1874166, A1670009, AA809974, A1890507, A1554245, AW071417, A1889189, A1890907, A1538850, A1623941, AW117882, A1624543, AW198075, A1345463, A1539153, AW302992, A1923989, A1433976, A1863382, A1917963, A1859991, A1434741, AL047675, A1349957, A1433157, A1554821, A1274507, AW151136, A1310575, AW130930, A1539771, A1371228, A1537677, A1340533, A1494201, AW160905, AW172723, A1500659, A1343091, A1815232, A1251221, A1801325, AL121270, A1500523, AL037454, AL042440, A1582932, A1284517, A1500706, A1445237, A1491776, AW151138, AL047422, A1521560, A1500662, A1926878, A1637748, A1520809, A1284509, A1284131, AW301513, A1889168, A1064830, A1866573, AL037649, A1633493, A1434256, A1866469, AL110402, A1805769, A1888661, A1284513, A1888118, AW083778, AL119863, A1250369, A1436429, A1889147, AW238688, A1440252, A1624154, A1699865, A1610557, A1686906, A1433037, A1828583, AA761557, A1783997, A1887499, A1923509, AL039086, A1863321, AW022699, A1340603, A1619502, A1677796, A1632408, A1886181, A1802542, A1352497, AW080700, AW168373, AW198144, A1620089, AA449768, A1288305, A1886123, AW118518, A1352326, A1348854, A1499285, A1570807, AW168485, A1933589, AW026882, A1635067, AL042628, A1923370, AW149925, A1537261, Z99428, AW163834, A1251485, A1445992, A1445990, AL119791, A1345745, A1702073, A1690748, A1340511, A1866465, AW191003, A1334445, AL040243, N33175, A1349645, AL036980, A1500061, AL039276, AW051088, A1349598, A1620075, R32821, AA641818, A1440263, A1633125, AL043981, AW269097, AW161579, AL038445, AW082113, A1698391, AW170635, A1917252, A1915291, AW152182, A1890628, AW083804, A1571867, AW302973, AW268060, A1473536, A1500588, AL045163, A1610667, A1345347, AL042745, A1445864, A1468872, A1973152, A1540754, A1866786, A1886192, AL036631, W74529, A1923046,

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HWAAAM30	6978	691878	1 - 465	15 - 479	AA034268.
HWAAAL70	6979	757035	1 - 698	15 - 712	AA651842, AI830925, AW270749, AI356943, H41232, AW236741, AI183844, and AA724467.
HWAAAI41	6980	712141	1 - 370	15 - 384	H71498, AA581460, AI873759, AA547947, AW179306, AA630672, AA610219, AL138329,

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HWAAF60	6981	751037	I - 561	15 - 575	I27537, AW161408, AW163687, AI751466, AA325962, AI372642, AA210947, H23526, AA463392, AW163477, AA533225, W69511, AA190334, AA227416, R15328, AW246998,

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HWAAE31	6982	841973	1 - 352	15 - 366		AA251131, and AA75171.
HWAAE06	6983	935131	1 - 465	15 - 479		H54960, and AJ239325.
HUUDR34	6984	944903	1 - 646	15 - 660		N62033, N28254, H55465, Z83844, and X87671.
HUUCS12	6985	969325	1 - 675	15 - 689		T99881, T81169, and T99780.
HUUCJ02	6986	940813	1 - 776	15 - 790		AI033712, A1954084, AW167226, A1983520, AL041005, A1984573, A1432645, AA131336, A1564483, AA191629, A1907763, AW370258, A1679914, AA313042, A1679407, A1174699, A1890600, AW379481, A1623994, A1924918, W81030, A1683963, AA406281, A1056626, AA524116, A1807732, AA992422, AA308853, A1610539, AA653510, A1804538, AA653438, A1986456, A1500648, AW189915, AA708759, A1679802, AA176706, H81609, AA740782, R72705, A1125930, AA555116, AW173659, AA432282, AW363351, AW103616, AA176724, F37314, AA682225, A1208567, AA826560, AA308851, AA134257, AA770415, A1249986, AA346286, A1923040, AA428627, AW407257, R49324, A1022174, AA226672, AA386226, AA954017, AW316887, AA548185, AA430516, AA173054, A1378920, AA467744, C14715, AA324842, W46618, AW291665, H22297, A1952445, AA308852, Z38953, F27547, A1624769, A1688767, A1254198, H29271, T30886, A1984007, H58044, AA102260, H19121, AA174099, T64974, A1190377, U55980, AA313043, AA652594, T33556, AA588454, AA079766, T30885, A1289751, AA079662, AW386889, AA609230, N67209, AW130206, W81067, AA444161, AA053081, A1690803, A1080131, AA573007, F10793, T32048, AW275180, D54061, A1473281, AA026011, H60333, T39333, AA745903, T19224, A1908040, AW294394, AW367021, M78639, A1355669, AW298166, AW361250, R84893, A1908037, AA459844, H40828, D54504, A1908021, A1908008, A1699848, H81610, H66200, AA403067, T25950, T81632, T19550, R98063, D54002, A1925734, A1906757, R93365, A1250621, Z30252, A1909826, A1909824, AW369644, T04849, H22261, AW376366, R32768, A1908081, AA429079, AW403033, AA160093, R90873, AA326736, AL041263, D58524, AW389303, AL043881, AL046604, C04059, AA531508, AA128960, AL046006, T19252, A1907876, AW392242, AL042624, AW403808, AL045474, AL041886, H01570, A1363803, R78804, AL041872, T31059, H19603, AA228109, H24164, H12675, C15988, A1940088, AW381410, H44250, N48104, AA393629, AW367781, R28128, R23869, T58288, R72979, AA984062, AW374404, AW374385, AA242748, N44862, R88953, A1557267, I190121, AA323985, T64231, R90783, A0419598, H02821, AA410901, AL042059, C15711, R73195, R76234, A1829391, R98306, AW389265, AA305347, AW376369, AA295312, A1907282, AA309588, AA333617, W27031, H02380, AA320201, A1909838, A1909848,

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HUJDJ03	6987	922441	1 - 658		15 - 672	AA569288, and AA569185.
HUJDE05	6988	967231	1 - 555		15 - 569	AA393987, AW249982, AI377213, AI440471, AA668868, AI423208, AA922498, N49855, AA744680, AA232187, AA741266, AA830850, AA523735, AI023220, AA551426, AA130096, AI273697, AI470085, AI199436, AI889460, AI144114, AA806441, AI215922, AI028484, AI281030, AI735186, AI224934, AA809356, AI261472, AA809458, AA588859, AI524208, AA398075, F26431, AA826865, AI721076, H69575, H95065, AA988255, AI984011, AA368844, AI378424, AI936240, AI186572, AI963211, AA809442, W52780, AA744793, AA827659, H41598, AI493433, AI266572, N36218, AA130095, H62017, AA303699, AA261941, AA835915, F28374, AA602990, F26160, AI371682, AA872643, H62016, H84745, AA877236, N54430, AA574343, W52484, AA513394, AA559062, AI202007, N80053, AA010201, AA235462, AA292526, AI222768, AW246245, AI133447, H84833, H69596, and AB005815.
HUJCN12	6989	969331	1 - 545		15 - 559	CI8813.
HUJBQ04	6990	926196	1 - 318		15 - 332	AW392670, AL119355, AL042984, U46349, AL119341, AL119319, AL119457, AL119324, AW372827, AL119483, AL119443, Z99396, AW384394, U46351, AW363220, AL119497, AL119484, AL119363, AL119391, U46350, U46347, U46341, AL119444, AL134536, AL037205, AL134538, AL042433, AL119439, AL119522, U46346, U46345, AL119335, AL134902, AL119401, AI142131, AL043019, AL134527, U46345, AL134920, AL119418, AL119399, AL119496, AL134525, AL043033, AL042614, AL043029, AL043011, AL042544, AL042450, AL119464, AL042542, AL042965, AL042975, AL042551, AL043003, AL034429, AB026436, AR060234, AR054110, AR066494, A81671, and AR069079.
HUJBP01	6991	914512	1 - 459		15 - 473	Z66011, Z66010, Z55354, and Z55353.
HTYSK94	6992	501001	1 - 449		15 - 463	
HTYSK65	6993	500999	1 - 338		15 - 352	
HTYSK23	6994	575458	1 - 338		15 - 352	AI866971, AA420546, AA644090, AI087040, AW304580, AA825827, AA584527, T63954, AI270177, AA487226, H86725, AW022934, AI192440, AI669421, AA847499, AI124798, AA225890, AA836552, AL008718, AC005932, AL022336, AF207550, AL035587, L78833, AC004883, AC002565, AC005512, AC002115, AC005102, AC005829, AL021391, AP000103, Z93930, AC004491, AC004821, AC007055, AL035462, AC005519, AC006137, U95742, AC004817, U91326, AC006509, AC004659, AL049776, AL008734, AP000088, AL035423, AC007216, AC005914, AC002544, AL031983, Z84469, AC004859, AC003041, AC002126, AP000032, AC006552, AC000025, AL031602, AF134726, AC005527, AL109839, AC007731, AC008101, AC005500, AL035684, AL133448, AC004895, AL049872, AC004526, AL031295, Z98884, AC005071, AC006262, AP000045, AC005844, AF053356, AC004531, AL080317, AC002073, Z94056, AL049869, AC007387, AC005484, AL035420, AC003101, AC007011, AL135744, U91318, AL049766, AC007298, AC004815, AC016027, AC004967, AP000501,

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HTYND11	6995	965061	1 - 354	15 - 368	H63287, H83779, AA479904, AL301403, H72739, H03721, W58699, W80428, W69319, N75444, N75831, AA931805, AA976567, R69416, H20193, H27894, AA524259, AA776787, AL093933, N89605, AA976789, AA417821, AL077948, AA568684, W58105, AL184042, AA471035, AA159198, AL184456, AW000778, AL298398, AL207043, AL298093, AA976989, AL160353, AL198251, AL268758, AL352347, AL281960, AL268851, AL858974, AL125797, AL042070, AL272028, AL336185, AL125808, AL394538, AL140335, AL191334, AL356687, AA931904, AL279283, AL768190, AL279567, AL086220, AL191106, AL184383, and AA057072.
HTYNC04	6996	926906	1 - 379	15 - 393	AW009081, AA724726, and C01435.
HTYAA83	6997	537277	1 - 411	15 - 425	AA303105, AA584859, AA989182, AL1811345, AA826320, AL523074, AL709307, AA634252, AA828053, AC006211, AF196969, AC004491, AC005037, AL109627, AC012384, AC002350, AL049776, AL031432, AL034420, AC004966, AC002558, AL121603, AC005899, AC005412, AP000692, AC005914, AJ003147, AC005512, AC005274, AL035455, Z98051, AC009516, AC005632, AC004477, AC004851, AC002404, AC003684, AC007055, AL251973, AC007308, Z86090, AL022316, AL024507, AF001548, AL121655, AL049694, AL121825, AF053356, AC006538, AC009247, Z93023, Z93017, AC006312, AC005484, AC005932, AC004216, AC016830, AC007842, AC002302, AC004983, AF001549, AL139054, AL022476, AC005562, AC003010, AC007371, AB001523, AL033527, L47234, U62317, Z84487, AL022322, AL133448, AC004895, AC005102, AL049779, AC004033, AL031311, AP000553, AC006111, AL035659, and AC003042.
HTXSV06	6998	933377	1 - 523	15 - 537	AA570407, and U91323.
HTXSH08	6999	957886	1 - 880	15 - 894	AA411663, AL051223, AL051723, AA411664, AL043343, AL084824, AA704698, T99707, T99099,

HTXSCI1	7000	965536	1 - 403	15 - 417	and AA091981.
HTXSA04	7001	926338	1 - 458	15 - 472	AA635858, AI420572, and AC000353.
HTXRS08	7002	957919	1 - 504	15 - 518	AA683094, and AC002299.
HTXRA02	7003	918089	1 - 352	15 - 366	AA937176, T97020, A1923659, AW089216, and H46012.
HTXQS11	7004	965084	1 - 617	15 - 631	A1923231, A1168608, and AW081230.
HTXQO07	7005	952064	1 - 342	15 - 356	A1038370, and A1954900.
HTXQM71	7006	869147	1 - 660	15 - 674	AA731476.
HTXQM07	7007	952067	1 - 431	15 - 445	A1695376.
HTXPPX72	7008	916162	1 - 965	15 - 979	AA251181, A1761000, A1128484, A1276232, AA251078, R11531, AA721210, R10456, A1364695, AW166309, and AA832036.
HTXPV03	7009	922905	1 - 652	15 - 666	AA001407, and AL022312.
HTXOR95	7010	869249	1 - 578	15 - 592	T81624.
HTXOO15	7011	869261	1 - 435	15 - 449	AA772570, and AA229433.
HTXOO12	7012	872368	1 - 383	15 - 397	A1439548, A1824398, A1524088, AA809903, AA418732, AA625848, AA491295, A1399785, AA879121, AA738446, AA776396, AA463264, Z39342, AW246459, H19238, AA872635, AA418786, AA995381, AA463616, A1613441, A1192269, AA417678, U87803, and AF140507.
HTXOK51	7013	869265	1 - 513	15 - 527	AA164895, A1216978, AA470578, AA470574, A1151261, AB023165, AL023876, AC004859, AC006111, AC007684, AC002546, AL080317, A1121756, AL031775, AC004913, Z82178, AC007308, AC002470, AC000097, AC006547, and AC000075.
HTXNJ60	7014	869299	1 - 722	15 - 736	AA255981, and AC005229.
HTXNG04	7015	926992	1 - 886	15 - 900	AA700155, A1241528, R92115, A1051224, A1248652, A1248349, H80550, H80606, AL045388, A1680997, A1560952, W78724, and A1031708.
HTXNF11	7016	869300	1 - 592	15 - 606	H90484.
HTXNA19	7017	953848	1 - 884	15 - 898	AA872066, A1700737, H13313, T51880, A1458617, and R41292.
HTXNMZ01	7018	915250	1 - 304	15 - 318	AA078115.
HTXMIU37	7019	948611	1 - 702	15 - 716	H74136, H54178, H54603, AA526630, AW197983, A1986083, F25083, AA548968, AA492584, AA706631, AA192278, AA056619, AA487726, R32162, AA457685, AA613609, AA640797, AA481760, AA113327, AA282951, A1370337, F27234, F36360, AA467961, R31574, AA583381, AA191139, F27108, AA302943, AA082567, AW245331, A1300597, AL048296, AA113757, A1653465, AW409990, AA565957, AA854403, T74600, A1073724, A1417496, A1738741, AA936734, AA233462, AA936783, AA641336, AA838660, A1283329, A182577, A1862213, AA111897, A1280500, R59728, AA653228, AA614864, A1421783, AW301712, AA101265, A1755227, A1860414, W31892, AW246579, AA074086, AA158023, A1865375, R61358, A1568260, A1798292, A1419390, AA550837, A1609107, A1859368, AA373304, A1431442, AA745841, A1475297, AA419230, AW083918, A1830186, AW246558, AA164946, A1185856,

HTXMR30	7020	869312	1 - 663	15 - 677	AI559275, AI826401, AI703335, AA617792, AI708175, AW438757, N95424, AW410561, AW007196, AI911641, AI433570, AA083258, AI859952, AW156942, AW440318, AI088921, AA805126, AI687410, AW024584, AI928786, AI963768, AA216659, T92957, AI537380, AI954648, F04839, AA776900, AA470586, AA598889, AA452398, AA464918, AA298788, AW131420, AA228473, AA657752, AA947371, N69226, AW188427, AI861961, AI611533, AI612070, AP000115, AC006023, AL132641, AF015720, AC005829, AC004526, AJ229041, AC004890, AC005777, AL031733, U95742, AC007216, AC005338, AL031657, AC007690, AC004186, AC004738, AC004987, AC005102, AC012039, AC000357, AL030995, AB020863, AL031005, AC007021, AC005183, AL024498, U34833, AL021155, AP000131, AP000209, AF069291, AP000501, D16641, AC006101, AL031846, AP000248, U07000, AL035460, AL117339, AL008718, AL049697, AC004895, AC004966, AC007057, AC002559, AC003084, AC004598, AC003098, AC002310, AC005911, AC006130, Z84467, AF196969, AC006972, AC005495, AC007201, AL049632, AL135744, AC005015, AC005071, Z84469, AC006088, X73637, AL049843, Z69917, AC005952, AL080312, AC005161, AC004070, AC006409, AC004834, AJ131757, AP000459, AF001550, AC005821, AC005723, Z81364, AF207550, AC005954, AC003104, AC005225, AC002300, AC000W25, AF001549, AF126403, AC005527, AL139054, AC003101, AC004589, Z83851, AC002477, AC004079, AL033517, AC002551, Z11900, AB023059, AC006047, and AC005218.
HTXMR30	7020	869312	1 - 663	15 - 677	AI138731, and AI149649.
HTXMR30	7021	841875	1 - 709	15 - 723	AW245527, AA452288, AA134389, R02507, AA160583, W20079, W15650, R88492, AA191171, AA305146, AA312380, AA353989, AA356238, Z45454, R10259, T53506, R88474, AA353467, AW401924, AA065025, AA133146, AA321117, T39247, AA321753, AA352107, AA359404, AA115720, AA356308, AA329808, T97388, AI632793, AA341639, R21692, T81231, AA425167, R84510, AI189655, R47188, AA628011, AF100761, AL050361, AC006049, AP000517, and AB023049.
HTXMC72	7022	875290	1 - 430	15 - 444	H72109, and AC004686.
HTXLS08	7023	958357	1 - 1138	15 - 1152	AI084218, AI797791, AI439030, AI479025, AI436557, AI027473, AI440506, AI873534, AI243660, AA744809, AI218347, AA766305, AA938672, AA765757, AI475702, AA279525, AA806852, AA805971, AI669506, AA772543, AI364913, AA281541, AA768800, AI701372, AI382260, AA765148, AA627572, AI243662, and AA016005.
HTXLN70	7024	756630	1 - 649	15 - 663	R94410.
HTXLI10	7025	963602	1 - 629	15 - 643	AI638848.
HTXKIP30	7026	487401	1 - 486	15 - 500	
HTXKN65	7027	869345	1 - 390	15 - 404	AA613878.
HTXKM37	7028	869347	1 - 479	15 - 493	AA903764, AI859744, AA578066, AI800343, AA486680, AL044339, AW265279, AA630845, F31066, F37059, AI679759, AA338238, AW242031, AA573000, AA568204, AA570740, AA483606, AI613389, AI302350, N66927, AI884404, AA804694, AW022796, AA338237.

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HTXKM24	7029	677101	1 - 271	15 - 285	R85618, AW451329, AI342905, AL042764, T12565, and AC006241.
HTXKK96	7030	796330	1 - 501	15 - 515	AA152462, and AA152463.
HTXKK31	7031	697838	1 - 561	15 - 575	AL043095, AA227966, AA227802, N79681, AI688963, AI798234, AA308708, AA643902, W89152, AA767864, AI11171, AA309764, N55560, AI914747, AL049646, AC005822, AC005988, AL035416, AC004943, AP000555, Z77249, AJ011930, AL031584, AL132777, AC004616, AC004079, AL024498, AL049843, AC006478, AJ006995, AC005386, AC002524, AL049911, Z84487, AL049709, AC005011, AL031985, AC004408, and AL049874.
HTXKF02	7032	919683	1 - 643	15 - 657	R72784, H45937, AI682220, U51280, and AC001228.
HTXKC64	7033	746471	1 - 605	15 - 619	H73594, R94521, H54422, H65481, AA677973, AI032897, AA005280, AA005196, AA453866, N77694, and AC003973.
HTXJX77	7034	870446	1 - 592	15 - 606	AA149774.
HTXJX61	7035	741746	1 - 928	15 - 942	AI912179, AA706272, AI627711, AI753424, AW236276, R61531, AI537736, R48982, R18061,

HTXJP17	7036	663123	1 - 455	15 - 469	AA024568, AA449473, and D80433.
HTXJO80	7037	871594	1 - 440	15 - 454	AA026098, AA025198, AA025117, AA789331, A1025891, and AW086422.
HTXJO78	7038	773508	1 - 269	15 - 283	H71834, W90335, A1660357, AW204190, AA490598, A1983576, T83715, R00174, and T77359.
HTXJN39	7039	566290	1 - 321	15 - 335	N56725.
HTXJK20	7040	423763	1 - 490	15 - 504	AA775097.
HTXJC08	7041	957757	1 - 725	15 - 739	AA191116, and AC004584.
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HTXJA76	7042	767696	1 - 428	15 - 442	AA489147.
HTXJA32	7043	699152	1 - 548	15 - 562	T63847, and T63647.
HTXGH41	7044	712506	1 - 241	15 - 255	W86936, and AC004499.
HTXGE85	7045	783418	1 - 448	15 - 462	R73235, H26695, A1820688, R48685, H29757, R83605, H27918, and AB020630.
HTXFR89	7046	790276	1 - 399	15 - 413	W25596, A1815642, AA417302, AA100476, N27984, AA314322, AA045597, AA661773, AA649285, AA306867, D82429, AA310276, R89903, AA130829, R83064, AA298770, H81350, AW380232, AA297193, W22908, AW406948, AA344066, AA100050, N51146, AA370966, AA382073, W38488, T85780, AW377665, AA314221, AA334159, AL122042, and AC007842.
HTXFN90	7047	537392	1 - 361	15 - 375	
HTXFN73	7048	824543	1 - 289	15 - 303	
HTXFN63	7049	745316	1 - 295	15 - 309	A1446475, AA808264, A1681962, AA654013, AA766987, T54146, AA069743, AL020997, AL021937, AL139054, AL031388, AL050306, AC006315, AL022163, AC004531, M85145, AL034395, and AL031276.
HTXFN53	7050	537391	1 - 425	15 - 439	

HTXFN23	7051	537393	1 - 193	15 - 207	AA649055, AA676720, and Z68284.
HTXFH43	7052	537397	1 - 337	15 - 351	AW236547, W70044, W70260, and AC008545.
HTXFH20	7053	537398	1 - 204	15 - 218	
HTXFG29	7054	689833	1 - 261	15 - 275	
HTXFF96	7055	796309	1 - 623	15 - 637	
HTXFF93	7056	934438	1 - 553	15 - 567	T81719.
HTXEY18	7057	869406	1 - 403	15 - 417	
HTXEX83	7058	780277	1 - 340	15 - 354	R10220, AW167240, AW043624, AA290774, A1741670, and AC002519.
HTXEE90	7059	789161	1 - 441	15 - 455	N67634, AW135346, A1634553, A1830652, AW190088, A1638854, A1139333, AL040317, N35344, A1215747, A1807577, A1758230, AA580929, AA808566, AA218821, and AL022393.
HTXEC96	7060	796561	1 - 316	15 - 330	R11584.
HTXEA45	7061	723401	1 - 492	15 - 506	AA055878, and A1733756.
HTXDZ56	7062	733641	1 - 411	15 - 425	H54720, and H68884.
HTXDW32	7063	699559	1 - 1083	15 - 1097	AA203535, N69313, AW104800, A1345794, A1345704, AA465689, AC004554, AC002470, AC004499, AC005037, AC003666, AC005527, AL034451, AC005529, AC006536, AC004782, AC002288, AC005694, AC005921, U91323, AC005899, AC006479, Z81369, AL136295, Z98051, AL035423, AL079295, AC002365, AC004983, and AP000036.
HTXDI77	7064	772473	1 - 285	15 - 299	W07454, A1934203, AB000878, AP000506, AB000882, AC004184, AC004173, AC004170, AB023058, AP000521, AL022723, AF055066, AC006048, AP000509, and D84394.
HTXDD24	7065	888612	1 - 416	15 - 430	
HTXCW50	7066	724650	1 - 713	15 - 727	AA463609, A1167145, AW149126, AW301636, A1918887, AW004869, AA701246, A1659509, AA463256, A1918865, and A1202534.
HTXCS84	7067	783262	1 - 69	15 - 83	
HTXBT88	7068	529663	1 - 366	15 - 380	
HTXAW03	7069	921906	1 - 551	15 - 565	A1497655, A1128840, R60767, A1345232, AW072868, A1933264, AW295282, A1673318, N40760, A1340591, A1583811, AW268087, AW086332, A1284621, AW269077, AW301308, A1792895, A1312160, A1311031, and AW268945.
HTXAK96	7070	796612	1 - 554	15 - 568	R96938, and AB020866.
HTXA134	7071	707050	1 - 393	15 - 407	R23649.
HTWL177	7072	839177	1 - 533	15 - 547	
HTWLF58	7073	869478	1 - 540	15 - 554	AA917800, AA284120, A1354369, AA551548, AA805901, A1459866, A1439676, A1889579, AA504892, AL038527, AA226260, AA629939, AA485553, AA904211, AW189853, A1201668, A1018726, A1133083, A1734172, A1732786, A1791971, A1732671, H30568, A1366555, H86579, H30595, AA434078, AA077247, AA018923, AA012829, A1654658, AA678616, AA831801, AW089016, AL036549, AA832016, AA302966, AA666272, T05617, AA483173, AW317023, A1358871, AA515745, A1911659, A1283938, AA077619, A1354677, AA036655, A1613419,

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HTWLD61	7074	741610	1 - 204	15 - 218	AC004982, AC020663, AC005027, U96629, U91323, AP000501, AC007537, AC006946, AC002480, AC005015, AJ229041, U95743, AL096829, AC006130, AC002467, AP000695, AL031297, Z84474, Z85987, AC003085, AL078583, AC007688, AF095909, AC002542, AC002432, AL031123, AC006441, Z72521, Z73988, AL050347, AC005621, AC005031, AF003626, AC004254, AP000503, AP000359, AL031447, AC004130, AC006141, AC006509, AC006251, Z83846, U80017, AC007227, AL022165, AC005274, AL096791, AL022313, AF001549, AL035587, AF031077, AC004494, AC004224, AL118507, Z84486, AF031078, AC000159, AL031774, AL035400, AF030876, AL031666, AL034561, AL021391, AF017104, AC005220, AC016831, AL050318, L81902, AB001914, Z83854, AC002128, AF095901, L47234, AC002369, AL049575, AL117354, AC005213, AF165176, AC007283, AC006344, AL034429, Z82215, AC007276, AC005695, AC007637, AL035698, AL096703, AC003984, M15366, AL050129, X56760, AC002286, AC005565, Z72006, AC005775, and Z94801.
HTWLD10	7075	964195	1 - 367	15 - 381	AI942248.
HTWLC51	7076	725533	1 - 279	15 - 293	R05388, and AA832101.
HTWKZ86	7077	785318	1 - 356	15 - 370	AI922217, AA736485, AL048914, AA805014, AA053870, AA664879, AA570557, AI421075, AI075935, N66944, H52397, AC005519, Z83819, AC005483, AC006948, AC002549, AC005317, AC005585, AC004106, Z84469, AF017257, AC005095, AC007055, AF196779, AL109865, AC005015, AJ011930, AC004686, AC003010, AC005832, AC004765, AC005859, Z99128, AC007227, AF196969, AC006362, AL031281, AL049691, Z93017, AC004997, AC002492, AF047825, AC006084, AC005081, AC009464, AL133445, AC004820, AF053356, AP000135, D26607, AC004526, AC006960, AL024509, AP000031, AC005495, L77570, AJ251973, AC005529, AC004382, AC006205, AC005874, AF134471, AC000357, AL034420, AC004882, AP001040, AF207550, AC009263, AC003108, AL034429, AC012384, AC004150, Z98742, AC002312, AC005189, AL050307, AC004996, AC005899, AL035659, AL049745, AL079342, AC004492, Z97054, and Z84722.
HTWKZ46	7078	718872	1 - 352	15 - 366	AC006207.
HTWKZ35	7079	494833	1 - 115	15 - 129	
HTWKZ28	7080	686254	1 - 427	15 - 441	F23327, AI962030, AA425924, AA644090, AA833896, AA526625, AA526326, AA833875, AL046519, AC004778, AC004491, AL021918, AC004890, AF003626, AC008154, AL022162, AC007011, AC005562, AL009181, AL021940, AC007993, AL049611, AL021939, AC002128, AC007298, AP000557, AL008719, AL049631, AL049643, AF200465, AC005874, AF134471, AC003029, AC006236, AC006080, AP000695, AC004637, Z98949, AC005722, AC004169, AC002369, AL096701, AL035089, AC002365, AC005823, Z82195, AC005538, AC005081, AC003106, AP000008, AC005015, AC007488, AP000704, AP000967, Z81369, AL079295, AP000030, AP000212, AC000134, AC004911, AC007055, AC005410, AC006257, AC005871, AC005972, AC006111, AC005914, AC004682, Z98941, AC007263, AB017602, AC004686,

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HTWKZ27	7081	812689	1 - 365	15 - 379	AA515723, AL185394, AA484892, AA480486, AA469230, AA654482, AW265688, AL049701, AA846923, AW390284, T08386, AA768179, AA229988, AI929796, T94072, AI635440, AW162750, AA601212, H62923, AA502110, AA605266, T03576, AA573000, AL137946, AI472736, AW419389, F31811, AI915081, H24957, AA757621, AW440568, AI369076, AA678932, F31867, AW068580, AA632556, AW081610, AA720582, AA429481, AW392414, AA515733, H91844, AA358086, AI889995, T50490, AI624379, F23338, AI471455, R70883, AI283938, W63553, AI223968, AI687343, AI432298, F00533, AI564301, AI347665, AI280535, AW150781, AI648514, AA614304, AL270177, AA524800, AW381823, R70884, AA302934, R94436, AW151247, AA832016, AA831801, AA808725, AA687542, AI355103, AA347927, AI053673, AA640252, AA228979, AA229823, AA702618, AI249525, Z25918, AA565319, AA515138, AI865196, AA507675, AA516320, AA503142, AW083934, AI590442, AI281818, AA225392, AI500668, AW407632, AW08130, F00688, AA610433, H67064, R34070, AA225754, AW166920, AA630476, AI926102, AA678616, AI762302, C06028, AI799421, H96146, F34506, AA225100, F09355, AA678950, AA481887, AI340151, F04475, AA632845, AL135654, AW008184, AI246996, AA582746, T49933, AA347930, AA568314, AA552724, AI679442, AA550959, AI679952, AI368732, T02827, H86579, AI783911, AI619987, AW078821, R80563, AA653291, AA469327, AI859438, AI583532, AI375294, AI142551, AA773042, AA356376, AA846482, AA665532, AI340858, AC003070, AL031591, AC005031, M87889, AL009181, AC004230, AL109952, AL022476, AC004999, AP000343, U80017, AC005231, AC006077, AL021391, AC004543, AF109907, AC004491, AC007099, AF152363, AC006449, AC005529, AC003101, AC005821, AC004752, AP000493, AC005209, AL035071, AC002565, AC004099, AC007686, AC007437, AC004796, AC004882, AF134726, AC004883, AL021977, AC006515, AC003104, AC004858, AC002549, AC008116, AP000355, AC005081, AL139054, Z98742, AC002542, AC006023, AP000201, AP000556, AC005663, AP000704, AC005921, AL117351, AC002082, AP000097, AL033392, AL132712, AC005940, AC005800, AP000301, AL021453, AL034420, AC004106, AJ003147, AL049839, AC004125, AC005409, AL049843, AL049589, AP000503, AL022328, AC005971, A51133, A76958, AC002559, AL122020, AF024533, Z98884, AC002288, AC004760, AC005866, Z98048, AP001051, AC005291, AC020663, AL078624, AL008718, AC004962, AJ246003, AC005071, AC005632, AL121757, AL035685, AL049694,

HTWK215	7082	65934	1 - 355	15 - 369	<p>Z98304, AC005815, AC002996, AP000354, AC005086, AL117258, AL135744, AC004383, AC008009, AP000961, AC003982, AC002477, AC005972, Z98946, AC005746, AC005234, AC003695, AL109984, AC003043, U73479, AL035413, AL022163, Z73913, AL117328, AC007637, U95739, AC007298, AC005630, Z98044, AC002091, AP000275, Z84467, AL008721, AC006960, AC006948, AC007225, AC004686, AC005747, AC007240, Z49866, AC002302, AC000039, AC002350, AC006088, AC005015, AL035405, AL035683, AF118808, AC010200, AF039906, AC006480, AC004673, AF048729, AL121652, AC004834, AC005225, AL034351, AL022238, AL031074, AC006040, AC000084, AL118497, AB022785, AP000037, AP000105, AC007566, AC006101, U47924, AC003108, AL033525, AC005325, AC005156, AC004638, AC007934, AC016831, AC007773, AC005036, AC004079, AC004492, AC004878, AC004905, AC004765, AL022233, AC005288, AC006597, AF205588, AC005488, Z82172, U51561, X64467, AC007066, AC006501, AF165926, AC009225, AF196972, AP000359, AC005962, AP000547, AF006487, AC005856, AL031286, AC004148, AC007371, AC004067, AC003029, AC004837, AF027974, AC006251, Z99291, Z83846, U85199, AC005619, Z97054, AP000065, AP000045, AC005342, AC005516, AC005229, AL020997, AC002395, AF196779, AF029308, AC005684, AL109827, AC002349, AC005484, AC002430, AL031668, AL035086, AL121603, AC007216, AC005899, AC004890, AJ006995, AC004819, AP000053, AC005152, AL021154, AC007030, AL049874, AC005664, AC003107, AC002543, AC006001, AL021546, AL021940, AF111167, AC005154, AC004844, AB014087, AL035458, AC006312, AC006064, AL133246, AC005722, and AL034555.</p> <p>AL1754257, AA084439, AW410409, AA642809, AW277174, AW327852, AW270768, AL291037, AL1754064, AA579398, AL179798, AA535216, AA129746, AA904211, AA846923, AA618263, AL090377, AW238712, AL1634187, AA809125, AL281818, AL1754170, AA127222, AL039539, AW021951, AL521525, AL283312, AL889995, AA622801, AL479148, AW238341, AA7:4110, AL053784, AA831426, AA496369, AL035977, AW151247, W60612, AA679794, AA579130, AA577706, AA410788, AW151541, AW069412, AL1311779, AL056177, AL457313, AL134278, AL809818, AW069227, N40092, AL207728, AW020150, AA600202, AA602906, AL745116, AC006080, AC004805, AL022326, AC006211, AL133246, AC009241, AL031643, AL049838, AC006965, AC018633, AL035086, AF111168, AL022336, AL117354, AC004382, AC005678, AC006511, AC002088, AL078581, AC006077, AL031276, AP000493, AP001053, AL022318, AL132826, AL050338, AL049832, AL023581, AC007652, AL035688, AL132777, AC008282, AC006026, AP000403, AC004885, AC005588, AC005036, AP000344, AC007656, AL109985, AC005828, AL031287, AL031848, AL122126, AC008119, AC004028, AP000043, AC007015, AC002430, AC004158, Z95114, AC005225, AL034376, AL133396, AC002369, AC007384, AL022717, AC004478, AL109653, AL049650, U66722, AC006006, AC004910, AF047825, AF152363, AC006160, AC000094, AL132712, AL136504, AL122020, AP000532, AC004992, AC005157, AC006112, AC005969, AC004042, AC000085, AL035412, AC006257, AL121694,</p>
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HTWKT41	7083	712142	1 - 437	15 - 451	AA281719, AA286940, AW271848, AA743292, R39726, and AA262177.
HTWKF34	7084	703863	1 - 522	15 - 536	N76304, and N76291.
HTWKB07	7085	952841	1 - 307	15 - 321	AI000527.
HTWJY36	7086	708338	1 - 458	15 - 472	AW118886, AI741663, AI435117, R70887, AI199990, AI168416, AA285071, AI361897, AI215545, R70888, AI361901, and AF195821.
HTWJH08	7087	790185	1 - 193	15 - 207	AI302448, N92646, AW134987, AI950033, AA659232, L29349, X17648, A28928, L29348, U93096, S48539, AC005081, AC005399, AC002418, AP000511, AL049713, Z83840, AC006013, AC004386, AC010722, AC005406, AL079333, AC005899, AL022323, Z47066, and AL049872.
HTWJF89	7088	805706	1 - 449	15 - 463	AL138227, AL138236, H80610, AA133578, R12953, Z43397, H10281, AA486037, AW170131, AA878478, N91220, H82000, AA488655, AA456874, AI818140, AI692200, AA932253, H80857, AI091568, AI768111, AA836363, AW274397, and AA829456.
HTWJF50	7089	911448	1 - 1533	15 - 1547	AI693688, AI089291, AI492178, AI239859, AA651942, AI057017, AA932955, AW205176, AA806301, AI911826, AW205734, AI439640, AI379127, AI493662, AW207182, AW270056, AA825776, AA291010, AI239585, AA235097, AA236500, AA291012, AA310652, H58752, AA824566, AW340433, D31147, AA256924, AA911804, D31268, D31363, AI243382, AA578487, AA504191, and AA504190.

HTWJA79	7090	559919	1 - 214	15 - 228	AA664604, AW069227, AA845659, T41284, AI932600, AI634187, N23913, AA483599, AW083934, AI457313, AA613257, H42271, AA595547, AA503298, AA682912, AC002288, AC007999, AL022318, AC004797, D00591, AF207550, AP000553, AL031577, AC003108, AC005500, AC004033, AL031767, AL023879, AC005071, Z95116, AC005823, Z95114, AC016025, AC005988, AC006211, AC004805, AL121603, Z84480, AC002369, AC003071, AL022396, AC005874, AF134471, AL137100, Z93930, AC005632, AL031846, AB000882, AL049694, AP000555, AL049869, AL050402, AC002470, AL133246, AL035423, AP000469, AP000692, AL049776, AL008732, Z83826, Z93241, AC007731, AC002425, AP000210, AP000132, AC004796, AL031281, AL031542, AC007681, AC005899, AL021154, AL009181, AC009263, AC004752, AF107885, Z97630, AC000353, AC009516, AL080277, AL031120, AF128525, AC005544, AC007785, Y14768, AP000502, AC010077, AC003041, AC004408, AL049780, AL035587, AC007225, AL008715, AL035413, AC005399, AC007227, AC005089, U91326, AC005484, AC002300, AC006285, AL022722, AC005740, AL021155, AL035089, AF134726, AL079295, AL031676, AC007099, AC002476, AC005304, AC007676, AC004057, AC007510, AP000505, AC006486, AL023575, AC005839, AL049589, AC003109, AL117694, AC005004, AL135960, AJ131016, AC004841, AL132992, AC004848, AC009509, AL033527, AC008984, AC004623, AL080242, AL049697, and AC006392.
HTWFQ19	7091	586124	1 - 225	15 - 239	AC006208.
HTWFM90	7092	582285	1 - 368	15 - 382	
HTWFM89	7093	786805	1 - 369	15 - 383	
HTWFM79	7094	841983	1 - 331	15 - 345	AA744539.
HTWFM71	7095	760303	1 - 304	15 - 318	AA501794, AA506744, AI783581, AA743445, N23896, AA586661, AA526426, AW250905, AW150524, AA679532, AL041373, AA535216, AL041526, AA207033, AA847702, T71535, AA352578, AL109612, AL139054, AL079342, AC005084, AC006449, AC002091, Z98749, U91323, AL117354, Z82975, AC004913, AC007160, AC007842, AC004999, AC007075, AC005971, AC004859, Z84466, AC006111, AL135744, AC002314, AC005288, AL049758, AL049843, U07562, AC006141, AD000092, AC004662, AC007253, AL109952, Z84483, AC005520, AC005531, AL110502, AC005535, AC005377, Z85986, U85195, AL049539, AC005207, AC007358, AL031291, AC006965, AC009247, AL078639, AL049569, M63543, AL031229, AF111167, AC002472, Z97053, AC005031, AL121825, AL121652, AC006511, AC005387, Z95114, AL035079, AC006211, AF029308, AC002312, AC004808, AE000658, AC000353, AC005057, AC005730, AC004019, AF207550, AR036572, U91328, AC007536, U50871, Z999716, I08101, I08711, M24461, Z84469, Z85987, AP000502, AF064862, AL049759, AL096701, AC005225, M63544, AC005071, AF124523, AF205588, AC005632, AF064865, AF019413, AC006262, AL049636, AC002115, AL024507, Y18000, Z97183, AC005411, AL035427, AC006006, Z84480, AC005696, AP000023, AC002468, AC002980, AC002426, AL034421, AB023051, AC005409, AL031659, AL021154, AC005280, AL022318, AC006530,

HTWFM48	7096	721587	1 - 351	15 - 365	AP000031, AC004876, AL022721, AL133246, AL033527, AP000555, AP000255, AL121653, AC002477, AC004554, AC005899, AF042089, AC007450, AC004821, AC002310, AL133249, AC007055, AL031390, AF159056, AC002377, AC005519, AC004745, AC008119, AC005874, AF134471, AC005670, AC005179, Z84484, AC004531, AC007136, AC005181, AC004805, AL096678, AL049538, AL031650, AC005368, AC005215, AL031230, AC007308, Z83844, AC008040, AC006274, and AF165926.
HTWFI71	7097	869491	1 - 596	15 - 610	AI357460, H64908, H64907, H86105, H86095, AA586433, AC004884, AL049589, AC005539, AP000500, AL035458, AL109758, AL133312, AC005859, AC002449, AC004382, AL135960, AJ131016, AC005921, AC009363, AC006205, AC005288, AP000194, AL031431, AC005548, AP000355, AC007055, Z85987, AC006950, and AL008718.
HTWFH75	7098	767251	1 - 485	15 - 499	H78965.
HTWFH73	7099	761686	1 - 710	15 - 724	AA417751, and AW376554.
HTWFH42	7100	713667	1 - 626	15 - 640	T86260, and AA001345.
HTWFG29	7101	800193	1 - 114	15 - 128	AI219208, AI697463, and AL050379.
HTWFD03	7102	745010	1 - 499	15 - 513	T77812, T77718, and AA009632.
HTWEY89	7103	864553	1 - 708	15 - 722	N36996, R36291, AW368228, Z42166, AL117446, AF084520, AF111162, and AF023451.
HTWEO90	7104	788859	1 - 705	15 - 719	AA059476, AA017611, AA056081, AA001373, AA017554, AA053344, AA001463, AA018178, and AA054441.
HTWEJ74	7105	765512	1 - 423	15 - 437	N64473, and AI379859.
HTWEH76	7106	876853	1 - 753	15 - 767	AA155698, AA307060, AA314164, AW247756, AA378299, AA352789, AA339982, AA205909, AA400664, AA455322, AA356865, and AA205544.
HTWEC75	7107	767264	1 - 849	15 - 863	AW003230, W16522, AW003274, AI192577, H37762, AA017517, H86814, H38845, AA813026, and N79989.
HTWDR91	7108	869526	1 - 433	15 - 447	AA522642, AA502866, AW062724, AI133297, AW084466, AA568754, AL045808, AL046156, AA52856, AA552843, AI270117, AL031721, AC004686, AC005231, AC007536, AC005914, AL133445, AL021878, AC005066, AC003026, AL021154, AC004386, AL049761, AC004504, AC002467, AL135960, AJ131016, AC007664, Z99497, AC006143, AC002350, AC006211, AC005295, AC005520, AC005525, AL049872, AF205588, AF111169, AC006538, AC005013, AP001053, AC004104, AL139054, AC002472, AC002349, AC005387, AC002347, AC009516, AC004066, AL049871, AC004087, AC005261, AC006130, AC004966, AC002492, AL033521, AC006257, U91321, AC007229, AC007792, AC004049, Z86090, AC002301, AC007057, AC007182, AL079342, AC003684, AL109627, AC007021, AL022316, AC006111, AC007387, U95739, AC004953, AC004804, AC004554, AC010206, AL008722, AC004448, AL133163, AC002418, AC004167, AL050333, AC003070, AC005399, AC002115, U66059, AF064861, AC001228, AC005251, AC005256, AL121655, AC007688, AC006115, AC008040, AC005913,

HTWDO06	7109	935644	1 - 448	15 - 462	Z99716, AC005041, AC006480, AC006079, AF200465, AC004895, AL031650, AC002558, AP000346, AF111168, AC005220, U85195, AC007735, AC004526, AC004797, AE000658, AL049760, AL034549, AL022322, AL034373, AC005859, L78810, AL117354, AL034417, AL035422, AC005088, AL133289, AP000553, AC002468, AC007204, Z93241, AL133244, AC004408, AC002550, AL031848, Z93023, AC003002, AC004453, AL022165, AL109628, AC005531, AL031588, AC006273, AC005242, AC007082, AL034423, AC005527, Z97053, AC009498, AC004002, AL035413, AC007240, AC005940, AC002310, AL022329, AF134726, Z84487, AL035086, AC007114, AC008125, AC006316, AL022302, AF190465, AC007014, AC004687, AC007277, AP000493, AC007043, AC007686, AC006544, Z98257, AC002119, AC004000, AL049569, AL078603, AL132994, U02531, AC007263, AC007050, AC000353, AL022476, AC005529, AP000350, AC006537, AC008372, AC005696, and AC004027.
HTWDO68	7110	753086	1 - 437	15 - 451	AI669567, AI695711, and T05468.
HTWDJ42	7111	713869	1 - 328	15 - 342	AA129656, and AA746901.
HTWDI49	7112	723047	1 - 571	15 - 585	N77331.
HTWDE70	7113	844831	1 - 436	15 - 450	AA054396, AI743787, AI073458, AA018101, and AL044482.
HTWCL86	7114	575978	1 - 215	15 - 229	AC005696, and U72337.
HTWCJ08	7115	959591	1 - 401	15 - 415	
HTWCG06	7116	935642	1 - 443	15 - 457	AA888961, AW439896, and AA868282.
HTWCD06	7117	935646	1 - 557	15 - 571	AA279971.
HTWCB69	7118	729244	1 - 457	15 - 471	AA579292, and AC006465.
HTWBW72	7119	772117	1 - 230	15 - 244	T84278, and AA383674.
HTWBV33	7120	594496	1 - 1041	15 - 1055	AW135049, AW083547, R61742, AI568770, AI222656, AI041283, AI640653, AI991607, AW236481, AI969723, AA703419, AI093706, AA425921, AA430741, AW006215, R02041, H61287, H28170, AA468148, AC006208, and A81344.
HTWBV03	7121	869549	1 - 636	15 - 650	AA985143, AC005089, AC004834, AC007227, AL133163, AC005071, AC005399, and Z83844.
HTWB162	7122	742588	1 - 521	15 - 535	AA732581, AA824630, AA832097, N26752, AA808362, AA215352, AW085919, AA669001, AC006059, and AF184110.
HTWBP67	7123	751752	1 - 447	15 - 461	T83835, AA677864, AW261956, AW261956, AA298745, Z99715, Z99572, AC005482, AC005027, AC009501, AC007064, AC006257, AL022100, U80460, AC004191, AP000517, AB023054, AI049872, AL021978, AC003007, AC005632, AC005697, and AC005229.
HTWBL08	7124	959619	1 - 406	15 - 420	AA056010.
HTWBI04	7125	922175	1 - 395	15 - 409	W56799.
					AI638694, AW182504, AI150350, AI376812, AI373044, AW003341, AI083699, AA534930, AI887148, AI951215, AI620446, AI659373, AW206004, AI085282, AI522003, AI521262, AA741574, N67531, AW339317, AI695995, AI916152, AI092112, AA765164, AA808097, and AI620044.

HTWBF27	7126	683546	1 - 565	15 - 579	W37350, AI970621, AI810064, AI493716, AI189191, AI885136, AA743040, AI189957, AA760856, AW071071, AI433949, AA481996, AA825555, AA515413, AI200341, AW190996, AI795936, AI189529, AI824302, AA975839, AI695491, W37351, and AA481851.
HTWBE63	7127	745194	1 - 333	15 - 347	H92261, and AC016025.
HTWBD84	7128	783120	1 - 463	15 - 477	AA699991, H71504, H71176, and AC000118.
HTWBD61	7129	604245	1 - 555	15 - 569	AP000355, AC003950, AC005089, AC007151, Z69705, AC004754, AP000036, AC005300, AC007225, AB023048, AC005015, AC003085, AP000510, AC006441, AI109963, AC004813, and AL022336.
HTWAM49	7130	722141	1 - 432	15 - 446	H74000.
HTWAM48	7131	518825	1 - 327	15 - 341	AA743565, AA743563, AA742175, AI220263, T57857, T57938, and AC009304.
HTWAM25	7132	677506	1 - 744	15 - 758	AI810002, AI652845, AW082692, AI627258, AI671544, AI671088, AI634816, AI147359, AI206170, AI472278, AI568947, AA889568, AI036581, AI016893, AI307382, AI024362, AA961211, AI911594, H43229, AI041222, T26622, AI457243, H11156, AW204388, AI674226, AA464060, N50195, H44677, AW303315, N49065, AI004849, AA188991, M79060, AI142365, T85312, AA100133, and R72791.
HTWAJ11	7133	967845	1 - 728	15 - 742	AW088739, AA453123, and AA449987.
HTWAE31	7134	725127	1 - 342	15 - 356	K16359, N57044, AA588892, AA548419, AA853105, H03307, R25111, H02478, AI031908, R02720, AI807471, AI827995, AI539386, H12509, AA412317, H72421, AA455577, AA305179, R23890, AW371415, H00834, R76442, AI025228, R31066, W79084, R37557, W00472, AI190303, R73757, R71169, H03862, AA393148, H72396, AA436117, N40362, H59895, AI345954, AA868538, R23710, H01351, R83423, AI291760, AA988977, AI311479, AI025986, R63278, AI083851, AI219986, AA932930, AI829710, AI436105, R65986, R76229, AW268605, AI202768, R75983, AI142135, AI338679, N37092, AA305134, AI200426, AI720044, AA295914, AI808710, AI309975, AA905015, AI289227, AI911731, AW084515, AA976254, AA883578, W58740, AI830140, AI798704, AI332422, AI807161, AI222787, AA885823, T85666, AA884231, AI742423, AI148589, AI476645, R73969, AA906270, AI991280, AI091541, AI040961, AA884285, AA843421, N26589, AI204236, AI091532, AI081663, AW001083, AA435561, and AF151810.
HTWAB85	7135	522346	1 - 294	15 - 308	AA522944, AA704012, AA809116, AI648583, AA070899, AC003007, AC005632, AC006064, AC007731, AC005500, AL031680, AC004659, AP000065, AC008033, AC007687, AC005358, AC006449, AC005015, AP000212, AP000134, AC006262, AC005102, AC004797, AC006333, AL031848, AC005081, AC002544, AL031767, AC005013, Z95152, AC005412, AL022320, AC005257, AC005899, AC006001, AC007384, AC004851, AC003070, AC016831, AC004125, AC005261, AC002996, U91318, AL139054, AF045555, AC005696, AC005914, AC004167, AC007055, AC008101, AB001523, AP000552, AC005722, AL049779, AL035410, AP000044, AC002400, AC004967, AL031311, AC004996, AC005575, AC006120, AC004883, AL049780, Z84480, and U91326.

HTWAB65	7136	533745	1 - 419	15 - 433	<p> AI187056, H82904, AI133350, AI246876, AA614055, AL119415, H91630, AA677886, T81869, AA625238, AI457464, AL049765, AC002072, AP000152, AP000011, AF035396, AF003625, AL031391, AL031278, U13657, AC007363, AC002524, AL117258, AC008012, AL049829, AB014088, AC004470, AC005969, AC004190, AC004687, AC009411, AC006971, AC004998, AC005061, AF101874, AL022575, AC004225, AC004948, AC007486, AP000516, AF036938, AC007100, U01882, AL035552, AF001905, AL022151, AL121654, AC006143, AL133249, AL117325, AC002463, Z75745, AC004384, AC004385, AC004025, AP000567, AC004103, AL049781, AC002395, AC002457, AL132826, AC004070, AC007751, AL109753, AC002980, AL031433, AP000083, AL022147, Z84470, AB020867, AC006197, AC004519, AC004020, AC005389, AC007380, AL031653, AL049589, Z83822, AC008041, AC005539, AC004052, AC007877, AL109620, AC003083, AL031651, AC000115, AL020989, Z97632, AC008123, AC005728, AC004979, Z83841, AL049612, AL118521, AC007312, AL109733, Z82975, AC004552, AL133233, AC003013, AC005535, AC004389, AF130342, AC003667, Z69367, AC002504, AL022160, and AL049177. </p>
HTWAB57	7137	735153	1 - 350	15 - 364	<p> AA836182, AI818453, AA345400, R12683, AI371165, AA507984, AA420739, AC006946, AC005952, U85195, AC006456, AE000658, AC004447, AL035417, AC005043, AC002400, Z54334, U07562, Z95115, Z97054, AC004799, AL110279, Z98752, AP000295, AF088219, AL109758, AC005837, AP000044, AP000112, AL132708, AC004672, AL023574, AL035691, and AL035681. </p>
HTWAB46	7138	522817	1 - 229	15 - 243	<p> AA728861, F13749, AA715351, AL039309, AI636734, AA381762, AW238016, AL135643, T07346, AA341120, AI751162, AW162288, H12972, AI696793, AA804625, AI053489, AA302952, AA878407, AI973173, AL021366, AL050332, AL024507, AP000358, AC008149, AL022326, AL049694, AL049869, AL121754, AC007225, AC002470, AL121655, AC004990, AF126403, AC006449, AC005696, AC004477, Z75407, AC005089, AI251973, AC003682, AC005703, AL049872, AC002492, AC005632, AC007731, AC005015, AC005500, AL078584, AC004408, AP000553, AF064860, AC004638, AC007051, AL022313, U47924, AC002430, AC020663, AC007384, AC008012, Z98048, AF129756, AL049829, AL021154, AP000096, AL034417, AC005057, AC005488, AL096703, AF109907, AL022067, AC004149, AC004079, AL031447, AC000052, AL031594, AC006121, AC005041, AL049636, AP000240, AC002350, AC005914, AC006511, AC004019, AC007066, U95741, AL022336, AL031296, AF053356, AC004491, AC005081, AC001228, AC004815, AC007546, AC005180, AC005722, AL023803, AC006538, AC009516, AL031589, U85195, AL022323, U02068, AC005071, AF165926, AL080243, AC005237, AC005323, AL121603, AC005740, AC005971, AL136295, AE000658, U91321, AC005102, AL031587, AJ003147, AC004983, AL117258, AC005229, AC005837, AP000556, AC004471, AC007308, AL109984, AL133245, AC004913, L77570, Z83840, Z93784, AC004991, AF030876, AL109627, AL109827, AC006116, Z95116, AL117340, AC005911, </p>
HTWAB42	7139	714291	1 - 372	15 - 386	

HTWAB32	7140	524291	1 - 309	15 - 323	<p>AC005899, AC004525, Z99716, AP000201, AC005874, AF134471, AC005796, AF124731, AC005410, AJ006216, AP000097, AC002073, AC004253, AC005943, Z95115, AC005520, AC007151, AL121825, AL009181, AC005736, AC005004, AC005257, AC000026, AP000555, AL033392, AC002059, AC005067, AC005844, AC005239, AL035587, AC005231, AC004659, AC004752, AL049744, Z97053, AC010200, AL023375, AL049589, AL035410, AC005069, AC016027, AC016830, AF111168, AC005189, AC007216, AF091512, AC007240, AF207550, Z93241, AP000510, AL079303, AL035684, AC002369, AL031311, AC008040, AP000347, AL034421, AL049538, AL133371, AL132987, AC005225, AC006948, Z82215, AP000346, AC007387, Z84814, AL035089, AC016025, AC004813, AC006285, AF001548, AL022316, AC003109, AC003007, AL031393, AC003962, Z98051, AC007226, and AL034350.</p> <p>AA630476, AW023975, AI174703, AA663579, AW275432, AA425283, AW409626, AI114543, AA493546, AI547110, AW084152, AA631915, AI282479, AI254267, AI708108, AA555232, AA601376, AI753904, AW409621, AA280886, AW026305, AI421950, AW339619, AI419337, AI568376, AL039436, AL310670, AW104161, AI061313, AI446618, AI361090, AI349130, AA502991, AW192419, AI267416, AL042667, AL042670, AI801479, AA525818, AI039257, AI049999, AA180056, AI669238, AI433952, AW439224, H86725, AW270468, AI434653, AL037067, AI065031, AI889345, AW084445, AI520984, AA664963, AI284543, AW148964, AI281622, AA526542, AI090377, AA831426, AI572680, H59429, AI003068, AA829044, AI476049, AI797998, AA570255, AI250552, AW327624, AA714011, AI923052, AA525156, AI252005, AI254463, AW151247, R99253, AI921744, AA229012, AA669155, AW069273, AA483735, AI254770, AI809300, AA572711, AI791659, AI251284, AI251034, AI251203, AA601712, AI457152, AC002306, AC005519, AP000008, AC004125, AC008044, AC002094, AL049694, AC004234, AP001054, AC004808, AB020865, AL022165, AL021453, AF129756, AC004019, AL133163, AC005175, AC004859, AC007488, AC005911, AC007421, AL049776, AC005089, AL049839, AC004263, AC004233, AC007050, AC004895, AB001523, AC005484, AC004257, AC005412, AC007277, AF111168, AC005585, AL031311, AC008372, AL034420, AC005696, AC007036, AL021808, AC007308, L44140, AP000553, AF001550, AL035587, AL139054, U95742, AL031673, AL049538, Z99714, AC002312, AC007229, AC006487, AC007216, AL109758, AC005821, AF207550, AL022322, AC005740, AJ011930, AF109907, X69907, AC005921, AC003684, Z83843, AL080317, AL035416, AL121653, AC004858, AC006315, AC005346, AC002492, AP000704, AC006006, U85195, Z98051, AC006261, AC005365, AC005180, AE000658, L78810, AC006509, AC007237, AC002527, AC004112, AL031587, AC005932, Z85986, Z54073, AC004006, AL049829, AL031846, AL109628, AC006449, AP000248, AC004814, AC002039, AC004973, Z75744, AC004056, AC003957, AC005015, AC005624, Z99716, AC007371, AC005829, Z95114, AL034423, AC007684, Z83840, AC005183, AP000557, AC005253, D00591, AC005632, AC003007, AF196779, AL121595, AL031433, AC004994, AC005722, AC004084, AL031670, AC004801, AC005332, AL133246,</p>
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HTWAB27	7141	522796	1 - 353	15 - 367	AC003010.
HTWAB18	7142	522794	1 - 194	15 - 208	AA846935, A1796594, AA904211, AC005190, AC005531, AL022336, U91326, AC005520, AC008101, AC009516, AL022721, AC006512, AC008044, AL031848, D87675, Z99716, Z95114, AC002470, AC007308, Z97054, Z93023, L78833, Z82190, AC007057, AC000081, AC006120, AL031685, AC004259, AP000555, AP001056, AC005255, Z82244, AL031311, AL133448, AF165926, U96629, AL050318, AC005924, AC005484, AC003101, AC007214, AL049776, AC004600, AC002350, AC006544, AL080243, AC005280, AC006064, and AC005231.
				15 - 406	AC007766.
HTWAA79	7144	869563	1 - 392	15 - 154	
HTWAA42	7145	522603	1 - 140	15 - 440	
HTWAA32	7146	522797	1 - 426	15 - 346	AA643226, AL014703, A1969243, AW162494, AW162864, AA189060, A1859830, AW204291, A1948937, A1989446, A1954000, A1309612, D81407, A1675152, and AL022240.
HTWAA31	7147	915276	1 - 332	15 - 456	
HTWAA22	7148	425133	1 - 442	15 - 305	A1039089, A1912401, AA657752, AA641122, AW274078, A1049845, AA612727, N74479, A1187148, A1828275, AA600202, AA452887, AA581247, A1446336, AA158549, AA513851, AA630854, AA015740, AA595499, AL031595, AL132777, AC002425, Z98051, AP000509, AL049766, AC004895, AC009516, AC006512, U91326, AC005291, AL035071, AC007731, AL021939, AC005500, AL049780, AC005730, AF003626, AB023049, AC005484, AC005921, Z98304, AL096701, AF017104, AC006270, AP000702, AC005089, AL031257, AC002551, AF196969, AC006511, AC002465, AF053356, U47924, AC004448, AC020663, AC006530, AC004821, AC004491, AL049830, AF196972, AC005952, AB000882, AC005225, Z84480,
HTWAA17	7149	667166	1 - 291		

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HTUAE10	7150	968597	1 - 400	15 - 414	AL285485, AL348867, AI053496, AW268210, and AW303040.
HTUAA93	7151	522950	1 - 351	15 - 365	
HTUAA79	7152	773978	1 - 369	15 - 383	
HTUAA63	7153	522080	1 - 249	15 - 263	
HTUAA59	7154	556958	1 - 347	15 - 361	AA487321, AI793001, R00245, AA377710, AL031176, AL096773, AC004009, AL109865, AL109622, AC002045, Z99756, AC004042, AC002492, U95626, AC000358, AC006926, L42096, AC000114, AI011930, AC012083, AC006080, AL109854, AC003677, AC005792, AP001068, AL109939, D42052, AP000475, AC007677, AC004685, AC003090, AC007253, and AL021407.
HTUAA55	7155	522805	1 - 347	15 - 361	AL117342.
HTUAA51	7156	725949	1 - 303	15 - 317	H96435, I196525, AI051562, AI032133, AP000150, D83253, and AP000009.
HTUAA45	7157	526606	1 - 359	15 - 373	AL037910, AI223987, AI860020, AA192278, AW148792, AA346454, AI289962, AA587995, AA608704, AI871722, Z96622, AC005924, AC006480, AC006539, AL022318, AC005829, M17262, AC004686, AL109627, AC003035, AC007066, AB023051, AC007114, AF129756, AC007510, AL021155, AC005037, AP000692, AC005094, AL049569, AL023284, AC007999, AP000512, AC006530, AC005944, AC004024, AC004895, AC003010, AC005632, AL133245, AF053356, AC005102, AC007308, D87675, Z99716, U73636, AC005940, AC005839, AC006071, U80017, AC003037, AL031295, U95740, AL023553, Z93023, AC004042, AC006996, AC004087, AL020993, AC007285, M29929, AL135783, AC005215, AC002430, Z85986, AP000505,

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HTUAA42	7158	694535	1 - 101	15 - 115	AC005189.
HTUAA32	7159	522807	1 - 212	15 - 226	AC005601, and AC004782.
HTUAA25	7160	575308	1 - 476	15 - 490	H69008, AA458742, R02451, R00403, T99834, R02347, H86860, AA172191, AA845293, R89511, H67123, H73704, AL926681, AL860677, AA303055, R24915, AA457249, AA128700, AA176917, AA772016, R07395, AA604854, AA458498, AA828676, AA655015, AA53810, F27015, AA468425, AA055601, N64587, H72339, AA879053, AL040462, F02833, AA657835, AA640617, AL244254, AA613164, AL696550, AL051037, AA379332, AA693484, AL287832, AW081815, H63806, AA865262, AL982634, AA323349, AA467963, AA743811, H53168, AA229464, AW274197, AA573127, N76053, AL572693, T81820, W69964, AL565245, AA293366, T07483, AA304977, AA331231, AW075132, AL590458, AL046746, AL590499, N30431, AF141308, AC007227, AL035413, AF084941, AL035587, AC005366, AC004623, AC005778, AC008033, AL008723, AC000035, Z83822, Z94721, AC000025, AC005527, AC005332, AC004202, AP000518, AB023054, Z98950, AC004087, AL050308, AL031575, AL021707, AL049844, AL121603, AL096791, AC003669, AF196779, AF011920, AL022325, AL049761, AL008583, AL031588, AC006077, AC007406, AC005089, AL049780, AP000553, AC009516, U64504, AC003025, AF139813, Z92542, AC005969, AC004228, AL022318, AC004929, AL031678, AC005901, AC005529, AC004408, U73023, AC007193, Z15026, AC004181, U95739, Y14768, AP000505, AC006965, AC004832, AC003082, AP000355, AF129756, AC006487, AC006991, U73331, AF061032, AC004651, AC004596, AC005300, AC002425, AC004638, AC006001,

HTUAA23	7161	575319	1 - 357	15 - 371	<p>AL031587, AL021808, AC005666, AC003035, AC004887, U02068, AC004496, AC005756, AC003041, AC004848, AC020663, AC004805, AL049869, AP000151, AC005390, AC005602, AL021918, AP000688, AP000501, AC003110, AC005091, AC004974, AL021877, AL033527, AB014077, AC004209, AC006139, AP000514, AC004263, AC004150, AL109627, AC003683, AC000385, AC007055, AL137434, L35485, AD000090, AC005796, AC004517, AL109963, AC004141, AC004522, AC006208, AC005839, AL049712, AL080243, Z80232, AL020995, AI009610, U73024, AP001060, AL031296, AC006251, AC004659, AL031432, AC002504, AC008115, AC005822, AC006482, L44140, AC004168, AC006273, AL008726, AL034423, Z93020, AF207550, AC012099, AL121871, AF006752, AC005808, AC005072, AP000503, AC007544, AL031729, AC004552, AF134726, AC005235, L35681, AR060470, AC006111, U29953, AF037222, AC005568, AL031393, AL080242, AD000685, AC005067, AC004854, AP000210, AP000132, AL078581, AC006597, AC004893, AC006146, AC002546, AL021155, AD000092, AC005924, AC006539, AL030996, AC004918, AL034420, AL022101, AC004835, AC003085, AC002039, AC003663, AL049759, AC005914, AL021391, AC007314, AL049697, AP000248, AL049873, AL079342, AC004895, AC006050, AC007263, AL122023, AP000459, AC005874, AF134471, AC005010, AC005820, Y10196, AC005015, AL050307, AC006997, D88268, AC006926, AP000517, AP000010, AC003991, AC004543, Z84466, Z83844, and AL109847.</p> <p>AW105729, AA483223, AL609972, AL252176, AL254192, AA501791, AA583568, AA595656, AA557982, AL278972, AW150209, AA808982, AL267356, AL267450, T63954, AL421950, AL19337, AL133243, AC004686, AC005971, AC005102, Z98742, AL133245, AL121603, AL035587, U95742, AC002430, AC008101, AL031311, AC005330, AC007216, AC004099, AL022322, AC007384, AC016830, AC016027, AL008730, AL008718, Z84469, AC009247, AC004771, AL009181, AL049749, AL049776, AL049569, AC005280, L78810, AL133448, AL035681, AC004834, AC005529, U91327, AL096701, AJ003147, AC007227, AC005387, AC006946, AC004650, AC005914, AC004895, AC005089, AC005527, AL022238, AP000349, AL021808, AC005512, AC004675, AC004531, AC004985, AC002416, AC005484, AL031774, AL031589, AC005911, AL049636, AP000557, AC005261, AF111169, AC003029, AC006468, AC004025, U63721, AC006071, AC005288, Y18000, AC007546, AL031282, AF038458, AP000240, AC006211, AC005553, AL021453, AL050308, AL022320, AC000026, AP000514, AL031276, AL022313, AF165926, AC005839, AC006312, AC005828, AC006006, AL080243, AC005488, AC002404, AC002059, AL096712, AC005736, AC005913, AC006162, AC005821, AC005088, AC004913, AC002310, AP000356, AB023049, AC004967, AF053356, AL035422, AF196969, AL139054, AC007263, AC002314, AC005212, AC002425, AC005778, AL022316, AC005921, AP000553, AC004626, AP000692, AL031228, AC007193, AC006057, AC004263, AF001550, AC005755, AL035443, AC002470, AC004922, AC006487, AC005231, AL022163, AF030876, U62292, Z85987, AL109801, Z93017, AC007030, AC004213, AC004408, U80017,</p>
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HTUAA21	7162	575312	1 - 362	15 - 376	AW275432, AA428270, AW238137, AL1791659, AA372958, C75012, T40342, H65404, AL031587, Z93930, AC006367, L78833, AC002470, AP000088, AC005546, AF165926, U62317, AL096791, AL049694, AL024507, AL024498, AC007308, AL024474, U91321, AL022316, U73634, AP000030, AC007785, AP000042, AP000110, AC005081, Z95113, AC007537, AC004821, AC007546, AL080242, U47924, AC004816, AC006538, AL078581, AL023876, AC006044, AC005520, AC020663, L44140, AC004699, Z98941, AC004890, AL022476, AC006450, AF001552, AC004477, AF139813, AC005828, AC004851, U91322, AP000501, AC005082, AL133445, AC007934, AL122020, Z98048, AC005736, AL121652, AC004228, AC004150, AC005412, AC006441, AC003029, AL109758, AC005751, AC005332, AC004973, AC005821, Z97054, AC005089, AC005562, AC005335, AC003689, AC002070, L78810, AC008372, AP000704, AC004223, AL031274, AL049745, AL035086, AC006203, AP000152, Z84487, AC007066, AF196972, AC007207, AC006249, AF134726, AL031255, AP000555, AC005697, AL080243, M89651, AC016025, AC006512, AC003025, AC005011, AC005295, AC004997, AF055066, AC004659, AL021155, AC002996, AL133163, AC006251, AP000215, AC007151, AC004752, AC005664, AL022238, AC002565, AC006211, AL139054, AC007685, AL020995, AE000661, U91318, AC006547, AC005514, AF001549, AL022320, AC004841, AC004067, AC005102, AC004263, AL009031, AC005585, AC004686, AC002326, AL035413, AC004983, AL049758, AL022171, U63721, AC002991, Z94056, Z97989, AC004084, AC005288, AC003108, AC006261, AL049697, AC005200, AF111168, AL023494, AC004125, AC003665, AC000075, AC005940, AL049757, AC005084, AF109907, AC005231, AC008126, AC002553, AC005839, AP000348, AL015853, AC004832, AC005523, AC006285, AP000557, AC007731, AC004526, AF047825, AC000353, AC007540, AL031291, AC005067, AL022394, AC002350, AC005500, AC007279, AC005015, and AC003102.
HTUAA11	7163	967919	1 - 161	15 - 175	

HTUAA06	7164	960761	1 - 370	15 - 384	T81597, A1961957, AC006241, AL031427, AC002302, AC005015, AC006084, AL049569, AL049761, AC003982, AC003029, AC004820, AC005920, AC005669, AL022336, AC002425, AF196969, AC003003, AC002551, AL109827, AC005065, and Z97056.
HTUAA02	7165	921277	1 - 243	15 - 257	
HTSH155	7166	576030	1 - 359	15 - 373	
HTSHC81	7167	778008	1 - 388	15 - 402	W40507, AW371697, AW371691, AW371690, AA325283, AA205748, AL041320, AI751044, and AB002323.
HTSHB38	7168	709445	1 - 494	15 - 508	AA458722, AA457463, and AC005277.
HTSHB18	7169	666569	1 - 307	15 - 321	AI743432, H82249, Z41469, R42880, and AI217259.
HTSGZ92	7170	975082	1 - 285	15 - 299	AI804747, and AL035413.
HTSGQ88	7171	576077	1 - 418	15 - 432	
HTSGQ42	7172	576078	1 - 269	15 - 283	
HTSGM53	7173	728289	1 - 408	15 - 422	H82292, and H82290.
HTSGL89	7174	787027	1 - 553	15 - 567	R96037, R96038, AA678616, AI889426, AI250747, AI223735, AW069227, AW151870, AW151201, AA741301, AW084004, AI366555, C16638, AL039761, AW078821, AW390284, AI347665, AI254440, AA644223, AA581498, AA084880, AI472736, AL035893, AW440568, AI246061, AA678932, AW081610, AA653291, N67313, AA652763, AW243945, AI251353, AI889995, AA032020, AW086117, AW086251, AI254781, AI255012, AI252979, AI254626, AI284684, AW086334, AA126814, AI568659, H09639, H28464, AI254153, AI358776, AA599712, AW438765, AA721530, AA309362, AA862312, AI249688, AA995373, AW086356, AI251968, AI251976, AA632565, AI254673, AI241970, AW086319, AI223508, AI254658, AI252933, AI251598, AI251298, AI252207, AI251380, AA565911, AI417469, AI582583, CI5504, AA721523, AA371410, AI732671, AW327673, AW068596, AI961983, AW237905, AI791971, C14627, AI038304, F26582, AI754567, AI569100, AW192599, AI754105, F32248, AI755214, AI270149, N87435, H44471, AA747757, AI251949, AI255059, C14796, D51877, AI080307, AI251034, AA365318, AW086383, AI255003, W32993, AI520967, AW086335, AW019964, AI864620, AC005255, AL031602, AC005071, AC004967, AL109853, AC006084, U95742, AC006241, AC009891, AC006236, AC007216, AL031311, AC002404, AC005209, AL135960, AI131016, AP000745, Z56114, AL034451, Z83838, AL096757, AL021391, Z93930, U91321, AL035089, AP000558, AC005262, AC007151, AC002365, AC005523, AP000557, AC006571, AC009516, AL110279, AC004975, AL008735, Z69651, AC004675, AJ251973, AL022326, AL096791, Z94160, AF088219, AC002984, AF196969, AC004552, AC002527, AL022320, AL035088, AC004234, Z93241, AP000550, Z98946, AC005736, AL031664, AC006947, AC007688, AL009183, AL035455, AC007546, AC003101, AP000704, AC003950, AF055066, AL009181, AC005899, L78833, AC004655, AC003108, AC007242, AC005070, AC004492, AL121655, Z68284, AC004259, AC006198, AL031843, Z93244, AC005225, AC007386, AL109801, AC005014, AF031078, AC008394, AC006511, AC004703, AC007204, AC006367, and

HTSFU94	7175	793056	1 - 443	15 - 457	AC002091, AF030876, AC003007, AC005399, U82668, AF118808, AC005703, AC004878, AC006116, AL022400, AC005360, AC007541, AC007748, AC005324, AC008018, AC005844, Z82195, AL023879, Z85987, AP000075, Z63710, AL078621, AC009464, AL008719, AC004383, AC004600, AL049776, AL022069, AP000501, AC005632, Z83841, AL034554, Z82208, AC002316, AC005932, U62317, AC006600, AC004765, AL049709, AC004016, AB001517, AC003962, AC005778, AC005527, AL109984, AC004139, AF018080, AC004851, AC018769, AC007684, AL031447, AC003667, Z94056, AL117694, AP000014, AC015853, AC007792, AC005065, Z86064, Z98752, AC006581, AL049779, Z68870, AC008126, Z85986, Z98743, AC005274, Z74477, AL031587, AC005412, AL133238, AL049757, Z84474, AL035668, Z83840, AC007283, AL121578, AP000314, AC002070, AF111163, U82828, AC005529, AL035252, AC003030, AF134726, AC004449, AC006251, AL034553, AC004520, AC004966, AC005089, AJ229041, AF030453, Z84466, AL021546, AL109956, AC004895, AC007157, AC005028, AB023048, AC005041, AF124523, AL135744, AC005099, AC004196, Z83844, AL096774, AC002996, AC004741, AC003688, AC004217, AC002477, AL133246, AC007536, AL009172, AC007934, Z80901, AL021918, AL022165, AF165124, AC004228, AL109865, AJ003147, AC004150, Z82201, AP000502, AF020503, AL133245, AC006006, Z98950, AP000310, AF196972, AL031428, AL021808, AC007707, AC004584, U07561, AC007981, AL096794, AL096703, AC007114, AL132777, AL022316, AC005971, AL050308, and AL021807.
HTSFU94	7175	793056	1 - 443	15 - 457	AW270091, AW293640, AI198447, W72558, AI291780, AA971480, AA134809, AI568769, AI052173, W76553, F25233, W94887, D45557, F35717, AF140690, and AF140691.
HTSFF64	7176	747003	1 - 398	15 - 412	H16146, H45145, AW245497, AA310767, AA029963, AL042338, AW163308, AF070605, AF034373, AC005014, and AL137587.
HTSEX79	7177	524280	1 - 239	15 - 253	AI624551, AA829193, AL044271, AA483606, AA516193, AA570740, F00564, AL048275, N72170, AA568204, AI682899, AA730872, R95840, AA654874, AA206475, AI433104, AA484738, AA470567, AA502532, AW023111, AI915081, AA599069, AA515723, AA578627, AA516190, H53217, H60249, N32878, F13808, AW265735, H78898, H66577, AA584690, AA630122, N27751, W20344, AA084609, AA515733, AA706628, AI445460, AA338233, AA525830, AA601728, AA479751, F01666, F01532, AI569363, AW068580, AA714110, AL045476, F37292, AI587349, AI054339, AA001591, AA970967, AC002544, AC007242, Z84467, I34294, AC020663, AC006454, AL031003, AC005531, AC004526, AL020997, AC005280, AC002316, AC006445, AC006064, AF196969, Z99129, AC005318, AC002117, AC002477, AC006077, AC003663, AL031282, AC006285, AC002347, AC005015, AC002470, U82668, AC005529, Z95114, AF134726, Z98047, AL121769, Z93017, AC004991, AC003043, AC004186, AP000501, U91326, Z84496, AL135744, AP000114, AL031427, AL035398, AC007382, Z97353, AL009181, AC005082, AL109984, AP000689, AP000697, AC006449, AC005971, AC007011, AP000212, AP000134, AC009516, AC005726, AC004999, AL022316, Z95115, AC006111, AC004531, AJ236701, AC003029, Z99754, AP000517, AP000553,

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LTSEW02	7178	920963	1 - 477	15 - 491	AI632021, AI522132, AI468255, AI473408, AI242842, R67081, and AI635775.
HTSAA20	7179	836021	1 - 403	15 - 417	AA295823, and I163678.
HTOJZ05	7180	869900	1 - 496	15 - 510	
HTOJV25	7181	456941	1 - 346	15 - 360	
HTOJT60	7182	740599	1 - 291	15 - 305	R68381.
HTOJN69	7183	869925	1 - 474	15 - 488	T84775.
HTOJM95	7184	795719	1 - 494	15 - 508	AI284640, AI755214, AI754567, AL046409, AI963720, AI334443, AA602906, AW341903, AW193265, AI270117, AW021917, AI590458, AL079645, AA491814, AW020088, AI962030, AI250552, AI244127, AI590499, AI613280, AL046457, AI350211, AI733856, AW023111, AI251284, AI251034, AI251203, AI284543, AW275432, AI254770, AI281881, AI874341, AA622801, AW406755, AL037683, AI246796, AI926728, AI431303, AI366555, AA525807, AA651632, AW237905, AI064918, AI925579, AI061313, AI354423, AA653139, AI267269, AA704393, AI249853, AI609972, AW270385, AA502985, AL119649, AW276435, AA747757, AW328000, H07953, T74524, F36273, AI345681, AL044940, AA601376, AA515905, AL031295, AC007225, AP000692, AC004890, AL049694, AC002300, AL031120, AC006285, AL035405,

HTOIL36	7185	866492	1 - 1665	15 - 1679	<p>U91326, AC006211, AC002544, AC007226, AC005971, AL133163, AC007114, AC002316, Z93023, AL031283, AC005291, AL109952, D87675, AC006312, AC007298, AF200465, AC005907, AP000046, AP000114, AC004019, AP000359, AC007664, AF030453, Z86064, AF196779, AL0035659, AC002553, AL022394, Z93930, AC004913, AC002425, AL049576, AC005412, AF067844, AL022313, AP000133, AL049780, AC004150, AL031584, Z84469, AC005015, AP000355, AC004383, AF001552, AL121603, AP000098, AC003692, AC004813, AP000302, AL020997, AL031279, AC005088, AC007055, AC000134, AL135744, AC004531, AP000104, U63721, AC005200, Y14768, U95743, AL009181, AC003108, AL133448, AF111168, AL049697, Z95331, AC005013, Z85987, AC000025, U52112, AC005081, Z98884, X54176, AC002350, AC000041, Z98304, AJ003147, AC005324, AC002470, X54178, AC005225, AC005209, AC005006, AL023494, AC003101, Z98036, AC007199, Z99716, AC005529, AC005527, Z68277, AP000045, AP000113, AF077058, AP000505, AP000141, AC000353, AL132987, AL049776, AC002550, AC005736, Z83844, AC004167, AC004832, AL035071, AL132777, AC004084, AL096701, AC005183, AC004000, AC007382, AC006013, AC005399, Z82206, U57007, AC006057, AC004953, AL133238, X54181, AL021154, AC003982, AC005082, AL031589, AC004859, X53550, AC005921, AP000501, AC004526, AL031668, AC004686, Z83826, AC006241, AL024508, AL109627, AC005562, U07563, AC007685, Z95115, AC008018, AC003662, X55925, AC005837, AC005355, AF129756, AC005516, AC006088, U80017, AC007652, AF060568, AC007567, AC005089, AL133245, AL031230, AL049843, AC002310, U95740, AF196971, AC004253, AL022323, AC005531, AC004883, AC002504, AC006252, U18391, AC005102, AC005325, Z83840, AC004601, AC007011, U95090, U18394, AL118516, AC007688, AC002347, AC006001, AP000563, AL022318, U57008, I51997, AL031681, AL034420, AC005058, AL021155, AC006581, U57009, AL132712, Z82214, AC005585, AC007938, X75335, AC004876, Z85996, AC005057, AL121652, AL109628, Z98200, AC004477, AC005180, AP000144, AC004757, AF196972, AL031311, AC002314, AF015147, L47234, AC006480, AL050308, U57005, Z99297, AP000211, AL133312, AC005049, AL139054, AC009516, AC005484, AL034429, AC004961, AL021394, AC005037, AL121769, AB003151, AL031282, AF031078, AC002302, AC006275, Z84466, AC007565, AC005620, AC005666, U18393, AF030876, AC005255, AC000026, AC012384, AD001527, and X55926.</p> <p>AL044489, AL138265, AW069819, AW188427, AL120269, AA904211, AL679782, AL038990, AL053623, AL653525, AL951863, AW088224, AW131249, AA601336, AL040054, AF034176, AL457152, AL694178, AL744188, AL798521, AL924251, AL899779, AL028148, AW406447, AL963600, AA527961, AA640277, AL207476, AA158549, AA547979, AL801505, AL042310, AA297145, AL204309, AA527963, AW157180, AL654588, AL040521, AW069227, AL445934, AW328331, AL046746, AL925321, AA489390, AA525174, AA515728, AL119123, AW243831, AL800168, AW162314, AA084401, AW275432, AL962030, N23504, AA804994, AA644090, AA126005, AA225406, AL800180, AL049630, AA814400, AL685198, AL366555, F25135,</p>
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HTOJF70	7186	457041	I - 459	15 - 473	<p> AL1862802, AW069769, AW023111, AL191659, AW272294, AA618412, AW274349, AW327673, A1929825, AW021917, AW084445, A1929298, AA682912, AA515351, A1114557, A1635028, AL079645, AL037927, A1635440, AW338370, A1889426, A1368745, AA651639, A1832865, AA742815, A1890324, AA020873, Z83844, AC006211, AL035659, AC005031, U80017, AL109628, AC005089, AC000353, AC006480, AF053356, AC002310, AC004491, AL049569, AF196779, AC005520, AC005049, AC005081, AL133448, AF038458, AC007536, AL022238, AC004019, AC007686, AC007151, AF111169, AL034420, AC007201, AC005015, AC004913, AL021155, AL096701, AP000555, AC005102, AL031311, AC005412, AL050318, AC004883, AL080243, AC006285, AL034423, AC005695, AC005225, AL121658, Z84466, AC004816, AC004841, AC005484, AC009516, AC005488, AC005529, AC005071, AC006130, AL121653, AC005231, AC005037, AC016025, AC002059, U85195, AF045555, AC010205, AC007308, AC005971, AP000501, AL022320, L78810, AL022476, AC005480, AC006013, Z86090, AC005527, AC002549, AL022336, AC005585, AC002996, AP000557, U95743, AL022163, AC005839, AL023807, AL096791, AL050307, AL021707, AE000658, AC005722, AC005193, AC005531, AC006942, AC004832, AC007371, AC006277, U91321, AC004821, AC002350, AC006449, Z99716, AC007227, AC006530, Z85986, Z98036, Z97053, AC004084, AC006071, AL031680, AC007664, AC006014, AL035420, AC007676, AC006511, AC004796, Z95116, AP000359, AC008372, AL008582, AC007216, AC002477, AC004812, AC004678, AC000025, AC003101, AC006512, AL020997, AC007387, AC004477, AC002544, AC005696, AC004099, AC004890, AL009181, AC003070, AC005274, AC004967, AC006538, AC005778, AC004125, AC006001, AL109827, U95740, AF205588, Z97630, AL109758, AC006388, AL049839, AL024498, AC005736, AC005920, AC005261, AL034548, AJ246003, U91326, AP000553, AC005899, AC007055, AC005694, AC004895, AC002347, AC005180, AC004887, AD000092, AC002395, AL035458, AC002565, AL035072, AC002551, AC005874, AF134471, AL034549, AP000211, AP000133, AC002301, AL031985, AC005011, AC006312, AL133355, AC005800, AC003108, AF001549, AL049776, AL035086, AC003043, AL133382, AL022721, AL035071, AC005318, AL024507, AL117258, AC005086, AC007666, AC006121, AL109801, Z93017, AC009247, AC005823, AL021391, AC004675, AP000030, AC005399, AL121603, AC005209, AL022316, AC007193, AL080242, AC004253, AC005803, Z85987, AL049766, AP000134, AP000212, AC005006, AC004000, AC004560, AC002558, Y14768, AC007934, AC006468, AC002351, AL031295, AL008718, AC002492, AL109798, U62317, AP000117, AC007021, L44140, U95742, AC007546, AC006040, AC004834, AF001548, AC005088, U47924, AL035460, AL050348, AC006023, AL049872, AC005871, AF031078, Z84480, AC004383, AC003029, AP000045, AC006006, AC004921, AC006965, AC012627, AL009183, AC004447, AL031005, AC002126, AF030876, and Z98884. </p>
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HTOJB05	7187	932423	1 - 455	15 - 469	N90622, and H85692.
HTOIZ49	7188	586144	1 - 399	15 - 413	
HTOIX57	7189	735004	1 - 327	15 - 341	T96088, T80652, and AC004143.
HTOIQ30	7190	584928	1 - 393	15 - 407	W87719.
HTOIL74	7191	765840	1 - 553	15 - 567	W69857, AA552546, AA029444, W69750, AB023154, and AF086290.
HTOIK90	7192	557829	1 - 401	15 - 415	AL050305, and AL031007.
HTOIJ84	7193	783212	1 - 486	15 - 500	H03759, and R72987.
HTOIH68	7194	753595	1 - 428	15 - 442	T48180.
HTOIH09	7195	961168	1 - 176	15 - 190	T20251, and AC005071.
HTOIF08	7196	959992	1 - 560	15 - 574	H42823, W39164, N41131, and AF146689.
HTOIA89	7197	787088	1 - 479	15 - 493	H63865.
HTOIA82	7198	844319	1 - 401	15 - 415	H04212.
HTOIZ59	7199	869950	1 - 504	15 - 518	AA132611, AA225871, and AL035697.
HTOHX62	7200	537358	1 - 254	15 - 268	
HTOHT93	7201	791459	1 - 427	15 - 441	AA284052.
HTOHR03	7202	924976	1 - 591	15 - 605	AJ341328, AW274848, A1638171, and A1992100.
HTOHIN89	7203	956264	1 - 415	15 - 429	W91885, and T98858.
HTOHH14	7204	659280	1 - 486	15 - 500	H19673, H41120, A1793195, A1744281, and AL121754.
HTOHH78	7205	963216	1 - 2033	15 - 2047	AA143556, AA146625, A1284640, AL046409, A1613280, F36273, A1281881, AW193265, A1610159, A1963720, A1431303, AW276827, A1350211, AA720702, AW419262, AL048925, AW303196, AW274349, A1334443, AW301350, AA491814, A1619997, A1085719, AW021583, AA610491, AA828704, AA513141, AW270270, A1149478, AA581903, AL119691, A1499503, A1688846, A1471481, AW406447, AW265009, AW073470, AW029038, AA649642, AW193432, A1061334, AA843450, AA613345, A1053672, AW338086, AW162049, A1929531, A1754658, AW406162, A1610376, A1679782, A1962050, W79504, AW072923, AL044940, A1434706, A1305547, A1355206, A1168185, A1865905, AW089322, A1339850, A1110770, AW406755, A1590958, A1133164, A1148277, A1138265, AL046205, A1341664, A1471572, AA159978, AL046898, AA758934, A1570261, A1685198, AW088616, AA493708, AW169136, A1590689, A1289067, AW162489, A1732186, A1246796, A1754955, AL048626, A1367497, A1633390, A1358229, AA521323, A1049722, A1358343, A1653886, A1871722, A1860020, AW166815, AL038785, AW088058, AA598586, A1571512, AL138455, AA679124, A1674873, A1918421, A1282310, A1365988, AA601253, AW022379, AA126051, AA126035, D82290, AW168342, AL040130, A1251002, A120687, A1921476, AA507824, U18398, AC004963, AF077058, D83989, X75335, AF015152, AF015151, X54175, X54178, U57009, X54181, AF015156, U57005, U57007, X55925, U18394, U18391, U18392, U57006, U57008, X53550, U18393, AF015157, X54180, I51997, U18390, U18396, M87919, X55923, U18387, X55931, U57004, X54176,

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HTOHG68	7206	964961	I - 465	15 - 479	AA757866, A1700109, AW419262, AL118991, AL431303, AL120086, AA493136, AW022608, AA588001, AW263415, AL537772, AA081462, AA515334, AL369580, AA908687, AA568869, N54894, A1963221, AA618452, W01230, N49368, AL457397, AW275971, AA497023, AL119713, AL309389, AL045813, AA613249, N35306, A1499588, AA524821, AL523316, AL285753, AL046549, A1924948, F05324, A1962874, AA550797, AA504877, AW004911, A1609464, AL042756, AA533333, H50970, A1925579, A1028498, A1733856, AC007666, AC004019, AP000306, U95740, AP000047, AC004594, AP000115, AC005353, AL031390, AC000052, AC005912, AC005625, AC004945, AL050323, AL031224, AL035072, AC004913, AC007225, AL135922, AL024497, AC005670, AL031311, AC004263, AC005789, AL034394, Z94721, U62317, AC007151, AC005736, AC002470, AC005406, AC005839, AC005041, AC007539, AC008040, AC005661, AL049798, AL117344, AC005191, AC004149, AC004227, AB020873, AC004889, AP000074, AL136295, AC004000, L78810, AL008718, U65406, AC005209, AL031680, AC007008, AC004596, AP001116, Z82201, AL031666, AC007377, AC005279, AC007685, X78901, AC004996, AC005228, AC004933, AL021528, AC006006, AC005988, AC007637, AC004782, AC006369, AC005908, AL096701, AL109827, AC005203, AL049540.

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HTOGU88	7207	558488	1 - 346	15 - 360	AI417120, AA483778, AA758129, AI367757, AI248999, AA358028, AA287676, AA479947, AA758144, AI540846, AA252123, AA227893, AA505839, AI468785, AA354625, AA282788, T89256, AA257010, AA490481, AI572545, AA188716, AI870449, AC008394, Z93022, AC003084, AL034399, AC004539, AC002349, AL020992, AC007567, X81002, AL033403, AL121694, AC007786, AC004485, AC005161, AC005297, AC005191, Z95118, AC003109, AL049563, AL022721, AC007857, AC004775, AF047668, AL035258, AP000496, AC009248, Z99571, Z68332, AL109659, AF029308, AC005189, AC004535, AL050401, AB020876, AF002997, Z92844, AC006287, AC005908, AC004026, AL117375, AC005064, AL078600, AL133277, AL080312, AC003098, AF172277, AB017651, AC005588, AC004070, Z82211, AL049641, AL022310, AC007447, AC002085, AC002038, AC002383, AC006070, AF198097, AL049734, AC003692, AC005050, AC008064, AC005076, Z81008, AL109807, AL079305, AP000545, AL121782, AL032822, AL132985, AL122126, AL050308, AL008722, AC007090, AC003687, AL031776, Z70233, AC007204, AC007655, Z70226, AC007254, AL096862, AC007628, AC002468, AL079334, AC005062, Z94721, AL034428, and AC005922.
HTOGU78	7208	529798	1 - 195	15 - 209	
HTOGU77	7209	523533	1 - 119	15 - 133	
HTOGC91	7210	790438	1 - 548	15 - 562	H06214.
HTOFV57	7211	529614	1 - 171	15 - 185	
HTOFV08	7212	960203	1 - 178	15 - 192	
HTOFU55	7213	732454	1 - 425	15 - 439	W90433.
HTOFT20	7214	527938	1 - 47	15 - 61	
HTOFS74	7215	765918	1 - 161	15 - 175	T64509.

HITOFO18	7216	911756	1 - 2163	15 - 2177	<p> A1821714, A1792133, A1791913, AA610491, A1821785, AL046409, A1431303, A1345157, A1963720, A1357823, A1284640, AA680243, A1732120, A1037683, A1305766, A1037632, AW270258, AW088846, AL079645, AA634786, A1357976, A1885488, AA602906, AA651639, A1754336, A1733856, AA469327, A1270117, A1753488, A138455, A1564185, A1061313, A1358384, AW193265, A1053623, A1054333, A1354423, AA490183, A1613280, AA653612, AL048925, A1754253, AW302903, A1635819, A1696962, AW021917, A119649, A1755214, AA303007, AA857486, A1754653, AW103758, A1040051, A1246796, AA846935, AW189068, AW271904, A1174230, AA586661, A1445815, AW029095, A1754105, A118991, AA622801, AW439558, AA468022, H09744, W23546, AA613203, A1919265, AA347927, A1306553, AA720732, AL040054, AW131249, AA653139, AA640986, AW238278, T74524, A1306553, AA720732, A110770, A1350211, AA347930, H05940, AL042753, AW304580, A1870197, AW004911, A1761471, A1809818, AL042756, AA507824, AA613227, AA515728, A1375710, AA572813, AW191886, AW238016, A1469968, AA192278, A1859834, AL036283, A1366555, AW028429, AL133668, AW276827, AA877817, AA833875, A1457397, AA833896, AL041706, AA602951, A1587583, A1254913, A1587565, AA665645, AW020088, AA523837, A1805363, A1623764, AW271917, AA908687, AW265009, A1038990, A1358501, AA572685, A1079389, AA579566, A1133164, A1821931, AA658918, AA613345, A121757, AC006026, A1049591, AC002055, AC007786, U66061, AC004908, AL035073, AC004914, AL078621, AC002980, AC007544, Z75407, AC008169, Z73988, AC006512, AL050347, AC003958, AC004160, AL021939, AL049875, AL031259, AL035667, AC005383, AC005598, AC005740, AC000044, Z80901, AC000034, AL021026, AC004985, AC005521, AC008124, AC004066, AL021978, AC007221, AF029308, AC004738, AL109865, Z68192, AP000080, AL139054, AC005921, AP000108, AL122003, AC004887, AC007680, AP000144, A1109967, AC008069, AC002068, AC005284, AC007002, AC002115, AC006262, Z99758, AL034379, AC006285, AL031281, AL024509, AC004967, AL096701, AL121915, AC016025, AC006960, AL049776, AP000512, AF017104, AC006064, AC004890, AC007242, AC005624, AC005696, Z99716, AC002551, AC005368, D87003, AP000966, AC006372, AC016831, A1109952, AL049643, AL023575, AC002064, AC004859, AC003962, AC004815, AP000281, AC007736, AL133312, AC005519, AC007128, AC005562, AC002073, AP000039, AC006071, AC002425, AL049646, AC005529, AC005899, AC004910, AC004648, AF064858, AL035659, AL050307, U78027, AB023049, AL109628, AC003002, AC002558, AC002310, I51997, AF019664, AC002301, AC012039, AC006509, U07563, AL035422, U73023, U57007, X55925, AC003043, AC009248, AC009396, AL031673, AC004655, AF015147, Z98200, U18391, AC005722, AC006211, AF015151, AL133445, AL021997, AC006480, AL031680, AC000026, U18392, AC006030, X54176, AF047825, AC009320, AF129756, AC004514, AF015148, AL035072, AL117354, AC005520, AL050306, X54180, U18394, AC005043, AC002553, AC005736, AP000509, AC002059, AC002477, AC000003, AC007055, X54181, X53550, AP000165, AL031650, U57006, AC005772, AC004217, </p>
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HTOFC06	7217	960546	1 - 270	15 - 284	AL1766308.
HTOEX28	7218	936543	1 - 541	15 - 555	W67985, AL806720, AL819360, AA219394, AL743193, R72848, AW117312, H42783, AA889684, AA352279, AI952783, AI818791, AA909553, AW409898, AA282827, AA775865, AW409899, AB033018, and AF161391.
HTOEV91	7219	509938	1 - 460	15 - 474	
HTOET61	7220	742164	1 - 445	15 - 459	AA258041, AA290938, and AA504566.
HTOEE28	7221	685375	1 - 312	15 - 326	
HTODM08	7222	960113	1 - 388	15 - 402	N56666, and AL460076.
HTODL10	7223	968395	1 - 407	15 - 421	AA143085, and AB023227.
HTODD59	7224	738532	1 - 388	15 - 402	R81985.
HTODA31	7225	698400	1 - 454	15 - 468	AA236974, AA235912, and AB017915.
HTOCK85	7226	521944	1 - 339	15 - 353	AL043144, R96621, AA367672, AW381823, AA904211, AI271762, AI567391, AA225100, AW103251, AA297011, H07953, AA102737, AA54659, F13749, AA715284, AA715344, AA715527, F17700, AI246061, T47124, AA084609, AI251241, AA279919, AA122307, AA804694, AI310670, AI349130, AA568204, AA570740, AA715338, AA483606, AA354141, AA721523, AA669185, AA302661, AI251944, AA019939, AA809807, AA420549, H54792, AA827904, H68343, AI889579, AA326904, AI620415, AA583386, AA444166, AA837715, AA584765, T52772, AI446336, F01666, AL039930, AI310787, T54783, F35902, AA598605, AA878407, AI306717, AI904944, AA719845, AA640776, AA056248, AA835889, AA078509, T70299, AA091982, N54397, AA804334, AA728911, AI613389, AA658934, AI791185, N92039, AA302982, AA577824, H62550, AW404225, AW051819, AA381762, AA658477, AI217131, AA604831, F03672, AA633565, AL135643, AW023111, AA493947, AA297664, AI821823, AA525331, AA551268, AA708753, AA975894, T40629, AI821921, AI926909, AI821076, AI184061, T50676, AW163763, AA665532, AA557982, AI683426, H86221, AI925462, AI054090, AA744048, AA092862, AW264901, H79586, AP000045, AL022318, AC007216, AC005529, AF196969, AC005332, AL136295, AC007066, U95742, AC002350, AC005527, AC005488, AP000300, Y18000, AC007308, AP000030, AC005015, AP000501, AF207550, AC005231,

HTOCK73	7227	870004	1 - 378	15 - 392	AC003665, AC008372, AC005399, AL049869, AC000353, AL049540, AC005971, AC004990, AC002544, AP000503, AF134726, AC007917, AL035659, AL050318, AC005790, AL031281, AP000113, AF047825, AB020865, AC007773, AL121825, AL023575, AC005696, AC003042, AP000692, AC002045, AL035683, AC005694, AC004966, AL133448, AC004821, AC004257, AC002316, AC005212, AC005519, AL049872, AC007279, AL096791, AL049757, Z93930, AC005940, AC004448, U52112, U91326, AC005793, AP000547, AC004517, AC005578, AC005225, AF129756, AL009181, AC002039, Z84487, AL049636, AC006023, AL135744, AC006057, Z98742, AL035410, AC006014, AC005581, AL022336, AL031587, AC004883, AC002477, AL022476, AC004890, AC005057, AC006001, AC004150, AP000116, Z98884, AP000689, AC016831, AL132712, AC004253, AL024498, AL121658, AC004859, AF165926, AC005808, AC005901, AP000065, AL049569, AC005786, AC005531, AC006130, AC010077, AC005274, AL021393, AC006241, AC002470, AP000356, AC004955, AC005046, AC004491, AL121653, AC005081, AC006538, AC005335, AC004796, AF001549, AC006238, AC004878, AF196972, AC004589, Z84484, AC020663, AL022320, AC005291, U91321, Z99716, AL008582, Z83822, AC004601, AC004383, AL049793, AC005300, AP000505, AL022326, AC005920, AL117330, AC005011, AC007934, Z84466, AC005778, AC005412, AP000555, M13792, AC005004, AF053356, U62293, AC000025, Z83826, AC009509, AL031284, AC002312, AL022721, AC007057, AC004814, AC002117, AC005193, AF045555, AL096701, AC005538, AC003043, AJ003147, AP000359, AC007325, AC005330, U96629, U80017, AC007225, AC003047, AL049712, AC006120, AC012384, AC005837, AC006966, AB023049, AL031848, AC005071, AL031311, AC005480, U73167, AC002565, U90094, AL031427, AL080243, AL109627, AC004386, AC004099, AC002425, D86995, AC005899, AC005049, AC006211, AL121655, AC005878, AC003101, AC007227, Z82178, AC002301, Z98036, AC005684, AC006111, AC005031, AL049766, AC012330, AC005874, AF134471, AC006312, AC004832, AP000553, AL008719, AL023553, AC008044, AC004770, AL049795, AC004223, AC002310, AP000133, AP000211, AL033527, AC004686, AC005624, AC006449, AC002091, AC004805, Z93023, AL031257, AC007371, AD000092, AC006088, AP000250, AL021546, Z85986, L48038, AC005921, AL035249, Z82174, Z95114, AL121652, AC005913, AC004084, AC004531, AL035071, AC005067, and AC002059.
HTOCK14	7228	529958	1 - 286	15 - 300	
HTOCK03	7229	925368	1 - 111	15 - 125	
HTOCA55	7230	732469	1 - 384	15 - 398	Z93784.
HTOBE60	7231	742315	1 - 457	15 - 471	T98484.
HTOBC63	7232	530283	1 - 176	15 - 190	
HTOBC26	7233	870011	1 - 245	15 - 259	
HTOBA33	7234	965151	1 - 606	15 - 620	AA262379, R45037, AL745363, AL224135, AL127213, AL17634, AL804049, AL167433,

HTOAT88	7235	530183	1 - 398	15 - 412	AA628575, A1184931, N56935, A1097606, A1273694, AA886333, AA678824, A1553928, AA769706, A1422919, A117459, A1168272, A1190885, H18297, A1190987, A1422758, AA223215, AA854070, H79768, D59304, A1086281, A142579, and A1034553.
HTOAT81	7236	530185	1 - 217	15 - 231	T90102.
HTOAT68	7237	530187	1 - 304	15 - 318	
HTOAT66	7238	530188	1 - 344	15 - 358	
HTOAT63	7239	523754	1 - 365	15 - 379	
HTOAT57	7240	870017	1 - 114	15 - 128	
HTOAT50	7241	723595	1 - 335	15 - 349	
HTOAT43	7242	529840	1 - 122	15 - 136	
HTOAT35	7243	521914	1 - 204	15 - 218	
HTOAT28	7244	530191	1 - 403	15 - 417	
HTOAT27	7245	682115	1 - 386	15 - 400	AC004928.
HTOAT06	7246	960381	1 - 227	15 - 241	AW406283, AA481083, and AA334330.
HTOAO63	7247	745545	1 - 653	15 - 667	T84893, and AC007681.
HTOAO01	7248	921744	1 - 351	15 - 365	H00926.
HTOAM08	7249	960122	1 - 292	15 - 306	AA412441.
HTOAL84	7250	783261	1 - 107	15 - 121	H63922, A1080109, and AA410506.
HTOAK39	7251	709579	1 - 479	15 - 493	T73359, and AC005776.
HTOAI51	7252	529553	1 - 275	15 - 289	Z83848.
HTOAI25	7253	529556	1 - 347	15 - 361	
HTOAI15	7254	529557	1 - 293	15 - 307	AL031259, and AL132641.
HTOAI05	7255	932732	1 - 364	15 - 378	AA120896.
HTOAA73	7256	764707	1 - 430	15 - 444	T91665, and D44743.
HTJNX95	7257	795376	1 - 494	15 - 508	R17461, and AA614012.
HTJNT65	7258	771995	1 - 597	15 - 611	AA031753, A1953410, A1273879, AA486535, A1970601, A1804913, N71976, AA252687, AW022153, T95753, A1189228, D58604, R06245, AA470886, AA620519, A1374732, C16129, AA737971, AA043942, H02570, A1359851, A1423638, H52318, A1858710, AA503361, A1420960, AA135778, AL037668, AW151753, A1346020, A1051129, AW440638, A1768841, AA450210, AA399154, AL610484, AA758319, AA865664, AA528037, A1914093, AA975822, AA045559, AA551664, AW002772, AA728996, A1261994, A1431974, A1003695, AW264165, AA971504, A1864825, A1419538, A1422333, AW237522, A1590661, A1346915, AW073186, A1952777, A1424070, R76870, A1094960, AA039924, A1983928, A1337380, AA135734, AA366382, A1687114, R99970, AW024883, AA481014, A1719088, R23164, A1758843, R91051, D20914, R76869, H03271, AR025395, AR025400, AR025410, AR025393, AB011145, AR025403.

HTJNF11	7259	966217	1 - 786	15 - 800	AR025409, AR025399, AR025414, AR025398, AR025415, and AR025406.
HTJNZ89	7260	973076	1 - 372	15 - 386	AA746300, and AC006274.
HTJMU86	7261	870312	1 - 594	15 - 608	AA279274.
HTJMQ90	7262	974496	1 - 210	15 - 224	AF128525.
HTJML71	7263	759890	1 - 457	15 - 471	AA250886, and AC003042.
HTJMF56	7264	733444	1 - 469	15 - 483	N33555, A1400762, and I196299.
HTJAE78	7265	773609	1 - 390	15 - 404	AL022237.
HTJAD50	7266	724438	1 - 307	15 - 321	R06826, and W60035.
HTHDS68	7267	753137	1 - 338	15 - 352	H78116, R96198, AA826048, AW161016, A1337065, AA593462, A1635819, AA482794, AW023511, A1002966, AA339592, A1610607, AL117354, AC007327, AL080277, AF067844, AC004901, AL049869, AL049776, AC004000, AL034423, AC005288, U81833, AC002350, L78810, AL109627, AC002470, AC002312, AC002364, AC005808, AL022578, AL109801, AL021807, and AC005251.
HTHDDR27	7268	578830	1 - 654	15 - 668	I158694, and AA676340.
HTHDDQ05	7269	932174	1 - 289	15 - 303	
HTHDDM10	7270	964906	1 - 399	15 - 413	A1500356.
HTHDDL30	7271	578894	1 - 416	15 - 430	
HTHDDJ93	7272	792443	1 - 540	15 - 554	AA460795, AA460376, AA779701, and AA460360.
HTHDDF13	7273	490673	1 - 604	15 - 618	
HTHDDIE83	7274	516372	1 - 400	15 - 414	
HTHDDC07	7275	953604	1 - 521	15 - 535	AA535817.
HTHDCV69	7276	973309	1 - 329	15 - 343	AA523829, AA662017, AA652348, A1270360, AC005822, AL049635, AF053356, AL049636, AC007314, and AC007221.
HTHCU42	7277	578861	1 - 346	15 - 360	T06598, AW304536, AA643451, A1521525, AA643441, A1926102, A1537368, AW020150, AA877992, AA302979, AA995189, A1061468, R82650, H59173, AC005037, AC006285, AC005871, AL122023, AC007686, AC004003, AL031255, AC005288, AC002477, AF117829, AL049694, Z94044, AL121658, AC005531, AL022240, AL109798, AC006482, AC009248, AC002350, L78810, AC005829, AL020995, AC005747, AC004963, AC007226, AC005067, AC006075, AL022320, AL049872, Z86090, AF134726, AC006312, U63721, AC005666, AC006006, U47924, AC004560, AL031311, AL031680, AL133163, AC002367, AF196779, AC006480, AL109758, AC004975, AF111168, AL080243, AL122020, AC005048, AL121603, AC006318, AP000305, AC002492, AL049869, AP000510, AC005922, AP000047, AC007546, Z69890, and AP001053.
HTHCO72	7278	578758	1 - 374	15 - 388	AL049835.
HTHCO45	7279	722029	1 - 147	15 - 161	

HTHCK89	7280	694051	1 - 604	15 - 618	<p>AL036665, AL042373, AI923052, AI754170, AW069412, H07953, AI687343, AW026305, T74524, AI421950, AI419337, AW272815, AA581903, AI801505, AI361090, AA579419, AL042667, AL042670, AI612142, AW275971, AI613389, AA602906, AI889440, AI133083, AW270385, AI369580, AA714288, AW07632, AI078409, AA502991, AI307201, AW270258, AW068596, AI118991, AI583252, AA483606, AA643770, AW338035, AW338021, AI469599, AA916430, AA507040, AW238278, H73550, AI753672, AW021583, AI609972, AA683069, AA449979, AI753488, AA534047, AW189068, AI275982, AL042753, AA719073, AW265688, AA455483, AA515728, AA164955, AA937809, AI040051, AI755202, AA622801, AI066646, AW021917, AI755057, AI890324, AA226153, AA635433, AI345654, AL042756, AL047349, AW162288, AL048925, AA687730, AW084445, AA568204, AA649642, AI306232, AI251576, AA714011, AI708009, AA557945, AA668148, AI821714, AI792133, AI791913, AL045813, AA832016, AA515351, AI491765, AA483256, AW274191, AI889579, AW237905, AW023975, AA805841, AA504818, AA315361, Z99754, AC004652, AC005486, AL021154, AC007536, AF165926, AL132777, AC005261, U85195, AE000638, AI011930, AC006252, AC005377, AC005082, AL021707, AL049760, AC007435, AL020997, AI133445, AC006487, AC004885, AC000025, AF047825, AC005527, AC002472, Z93244, AC005529, AC003108, AC007055, AL031589, AC006312, AC005399, AC007731, AC005670, AF067844, AC005500, AC007011, AC005519, AC007786, AC005736, AC005971, AL050318, AP000046, AP000114, Z83847, AC005330, U78027, AC005006, AC007312, AC004526, AC006077, AI035422, AL022312, AC004805, AC006241, AC007226, Z82206, AC005544, AF064861, AI022323, U63721, D86995, AL031681, AC007938, AC004755, AL031311, AL031283, AC004653, AL022724, AC005484, AC005907, AC005005, AC007664, AC002310, AC005329, AL031295, AL034548, AC005624, AC006208, U47924, Z83308, AC006449, AC007225, AP000556, AL121825, AL022320, AP000255, AD000671, AC008125, AC006111, Z98742, Z85987, AP000042, U66060, AC002404, AC007052, AC005274, AC004000, AP000510, AC010077, AC003043, AF207550, AL024498, AC005088, AC005943, AP001052, AD000092, AC003962, AL033527, AC005776, AL035088, AC005666, AC004842, AC005207, AL035071, AP000135, AC000134, AC003029, AC005067, AC005940, AC004491, AC007151, U62292, AL034423, AC002070, AC002430, AC003101, AC006023, AP000031, AC007193, AF196779, AC002314, AC005200, AC005015, AL109758, AD000812, AC004913, AL049780, AL035555, AC016025, AC003007, AC007384, AC003684, Z98036, AL035697, U95740, AL022238, AF001549, AC005694, AC004253, Z84469, AC006511, AL023284, AL034420, AC002429, AC005057, AC004408, AC004156, AL049643, AC005412, AC000353, AP000558, AC006088, AC004983, AF165176, AL031432, AC004477, AL035587, AC000003, AF015720, AC004922, AC005921, AL133245, AF053356, AC002316, AC007565, AC004033, AL035407, AL031659, AC008018, AL031346, AC009516, AL022721, AC005841, AC002306, AC006001, AC005324, AF030453, AC007546, AL049570, AC005102, AJ229041, AC002126, AC002288, AP000513, AC004257, AP000359, AL079340, AC009044, AL022322,</p>
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HTHCG74	7281	578839	1 - 103	15 - 117	AC010170, AC007199, US2112, Z93017, AJ003147, AC004590, Z83844, AP000103, AC004812, AC004796, AC005520, AP000036, AC005899, AC005071, AL109952, AC010205, AC005837, AL049710, AC007919, AL035423, Z86090, Z93023, AL109628, L78833, AC006271, Z82194, AC005264, AL109984, AC007371, AC002059, AC005993, Z93020, AC004228, AC005914, Z97989, AC004448, AL023575, AC004841, AL078593, Z97054, AL049569, AL035084, AL008718, U62293, AL034429, AF017104, AC006486, AF196972, AL096791, AJ006997, and AA085321.
HTHBY73	7282	946168	1 - 347	15 - 361	Z43611, H64102, T35364, T29948, Z43604, and F07345.
HTHBW81	7283	519640	1 - 445	15 - 459	
JITHBW64	7284	746955	1 - 555	15 - 569	H03259.
HTHBU25	7285	961627	1 - 541	15 - 555	H17221, H24439, R24985, R72995, AA447349, and AA984682.
HTHBT36	7286	458387	1 - 304	15 - 318	T69517, AP000274, and AP000104.
HTHBM85	7287	790305	1 - 471	15 - 485	AL040192, I77395, AW247555, F13355, H05582, AA143664, R12214, F08295, H06392, Y16522, AF156557, AF074953, AL109665, AL109664, AF156561, AF156558, and AF156559.
HTHBM60	7288	739707	1 - 397	15 - 411	AA233203, AA233119, AC004214, AB000880, AP000507, and AB000882.
HTHBK64	7289	573926	1 - 311	15 - 325	AW138742, AL049955, A1267884, AW021116, A1431513, A1917132, H71678, AA578621, A1984168, AA502532, R64617, A1347603, H29914, AW245354, A1301373, A1446259, W01359, A1915081, F31811, AW162750, AA654482, A1912401, AA988600, AW023111, AA971196, N68472, AW156980, F24745, A1734837, N72717, A1961983, A1417469, AA558404, A182731, AA593257, M87889, AL049759, AC002492, AC006965, AC002302, AC008101, AL031283, AL035405, AF047825, AL035659, AL035071, Z95115, AL008715, AL049869, Z98950, AL049697, Z82206, Z83838, AC005086, AC008134, AC005480, Z93241, AF196972, Z95116, AC006312, AL133245, AC005755, AC004531, AL022336, AL022313, AC007676, AC006480, AL139054, AC004966, AL096791, AL049760, AL049834, AC007055, AP000248, AL022320, AC002551, AP000689, AL031848, AP000252, AP000557, AC002314, AC007688, D87011, AB016195, AC005207, AC002404, AC005231, AP000502, AL031311, AC008033, AC002477, AC008040, Z68273, AC005529, AC004216, AC006501, AC002365, AP000212, AP000134, AC002504, AL049780, Z83844, AC005544, Z84469, AC004854, AD000671, Z97630, AC007308, AC005102, AC004217, U95741, Z98884, AL133448, L78833, AC004883, AC003070, AP000696, U10087, AC005821, AP000036, AC004955, AC002565, AC007011, AF031078, AP000100, Z94162, AF088219, AC006509, AL109865, D87675, AL049766, AC002984, AF030876, AL031594, AL031602, AC004859, AC004967, AL031281, AC005049, AC004849, AC005476, AL049569, AL049873, AC005274, AC007292, U85195, ABW03151, AC000353, AC005089, AC004143, AC009247, Z84487, Z99128, AF001549, AL121658, AC002312, AC006088, AL022323, AC004876, AC007842, AC004656, AL022165, AC005880, AP000098, AC005300, AC003962, AF165926, AC002425, AC006117, AC005484, AC009721, AC008009, Z95114,

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HTHBK47	7290	526705	1 - 298	15 - 312	AA085410, AI417464, AA857673, AI277373, AI439816, AI278440, AA490602, AA480162, AI119411, AA663472, AI620992, AA657835, AA772016, AA743811, AA719208, AI051037, I179308, AA992126, AA121910, AW157005, AA865262, AI028510, AW019964, AI547110, AW328446, AI332615, AA808036, AA610313, AA079076, AI860535, AA223512, T47324, AA525423, AA857296, AI435639, AI119284, AA701119, H51538, AW105714, N94134, AA507837, AI119483, AI818505, AA442528, AA196390, W07101, AC005578, AC007263, AI133448, L78833, AC004813, AC005215, AC004517, AL022315, AC003006, AC005484, AC006449, AL031659, AD000864, AC005175, AC004476, AC003007, Z98048, AC005057, AL109984, AC007686, AC005624, AC004584, AL021546, AL022316, M89651, AC003982, AC004963, AC006050, AC005356, AC005520, AC007546, U62293, Z82189, AC004905, AC005632, AC000134, AC007707, Z83846, AC004408, AC006251, AC007421, AC004000, AL008582, AC005089, AL022326, AC005668, AC004491, AL096763, Z97054, AC005765, AC005837, AL009181, AL022318, AC004991, Z83844, AC002126, AC005411, AC006252, AC002997, U95090, AL020997, Z83826, AC006006, AC005280, AC005480, AC005722, AC006480, AC006509, AC005225, AC002395, AC005239, AC005088, AL023494, AL022476, AC007227, AC007151, AC005488, AC009516, AC004859, AC005094, AC003010, Z98742, AL080243, L34079, AC004953, AC002492, AL096701, AF207550, AL031591, AC005940, U63721, AP000121, AC004752, AF047825, AL023807, U07561, AC006120, U95742, AP000689, AC004686, AC006211, AL022329, AC004526, AC006552, AC007283, AF053356, AD000090, AC000353, AC002394, Z84469, AL135744, AL049780, AC007685, Z83843, AP000043, AP000111, AC005291, AC007055, AL031255, U07000, U91323, AC006146, AC005071, AL023553, AC003026, Z93017, AL122020, AL021391, AL050325, Z49258, AC007868, AL049869, AL109627, AP000116, AP000053, AP000168, Z93241, AF205588, AC002551, AC005252, AB003151, AL117339, AC002316, and Z98304.
HTHBK04	7291	925600	1 - 134	15 - 148	

HTHBH32	7292	699557	1 - 577	15 - 591	W05248, AW137945, N75450, AI758397, AA877636, AA514763, and AW195051.
HTHBG23	7293	410319	1 - 331	15 - 345	AA423943, and AFI80425.
HTHBC07	7294	954440	1 - 311	15 - 325	AA383906, AA383905, and AI143579.
HTHBC04	7295	933029	1 - 277	15 - 291	AL048409, AL048408, AA383902, and AA515799.
HTHAA24	7296	575493	1 - 502	15 - 516	AA383837, AA383781, AA767276, AA214296, AA679520, F18098, AA743374, T86730, AW193880, AA136098, AA371011, AL031685, AC004099, AC005219, AL118509, AC005874, AFI34471, AL096791, AC004834, Z95152, AC005620, L47234, AL079342, AL008712, AC008044, U52112, AC004762, AL009182, AC005011, AC005899, AC004968, AC006328, AC007450, AC003086, AC003689, AC003043, AC004801, AC003037, AL049709, AC004984, AC002527, AL023807, AF001549, Z94801, Z98304, AL009174, and U93037.
HTGGO27	7297	682376	1 - 432	15 - 446	R73588, AI565226, and AF075029.
HTGGN71	7298	760059	1 - 507	15 - 521	R96968, and AL022722.
HTGGN51	7299	870386	1 - 226	15 - 240	AA595801.
HTGFY55	7300	731360	1 - 127	15 - 141	
HTGFY05	7301	928205	1 - 152	15 - 166	AI751212, T11828, AW270451, AA642445, AA161086, AA569471, AI821379, AA484658, AA630854, AA744400, AC007226, AL050318, AC005484, AC005320, AC004876, U73167, U90094, AC004020, AC004997, AB023052, AC004659, AC005920, AC005585, AC006538, AC009247, AL031311, AC004914, AL031662, AC003957, AL049540, U73640, AC003104, AL022302, AL008723, AC005523, AP000351, AC004150, Z85987, AC000391, AC005874, AFI34471, AL139054, AC006077, Z84718, AC002323, Z97988, AC005932, AC005756, AP000513, AP000008, AL031597, AP000215, AL022163, AC005317, AB023048, U80017, AL109952, Z47066, AF200465, AP000704, AL031846, AP000511, AL031283, AL078584, AC005088, AL035415, AL109758, AL078463, AC002559, AC004148, AC005193, AL049839, AC007242, AFI17829, U62293, AL033403, Z95115, AL024498, AC006060, AC003009, AC002073, AC005919, AC005666, AC005212, AC002059, AL035450, M17262, AF069291, AC006536, AC006296, Z85996, AC000066, AF067844, AC000379, AL133355, AC004991, AC005844, AL031848, AC002367, U63721, AC005057, AC004655, AC000025, AC004237, AL031666, AL022323, AJ010770, AP000359, AL022324, AC005899, X74558, AL049548, AC004531, AC004950, AL050348, AC003688, AL109827, AF196969, AC004895, AL021579, AL031659, AC007686, AP000251, AC002312, AL031432, AL109853, Z93023, L77570, AC004891, AC006441, AC005487, AC007324, AC002039, AC008101, AC005258, AC006571, AC005081, AL078581, AF001550, AF196779, U95740, AC006480, AL049776, AC007011, AL035086, AC004098, AC018633, AC008079, AC002449, AL133448, AC004167, AL049743, AC004687, AC011362, AC004253, AC004491, AC003965, AC000045, AFI11167, AC005527, AC006047, AP001058, AP000348, AL133246, AC000353, AC005207, AP000030, AC004856, AC005914, and AL109798.
HTGFK70	7302	756534	1 - 476	15 - 490	AA195709, and AI381482.

HTGEY89	7303	786057	1 - 434	15 - 448	AC005076.
HTGEY40	7304	711177	1 - 420	15 - 434	
HTGEX10	7305	963862	1 - 1003	15 - 1017	AA252452, AA465260, AI368114, AI803768, and AA678077.
HTGEX03	7306	923445	1 - 355	15 - 369	T40848, W38648, AW103981, AA359366, AA338431, W21392, AA669416, AI364570, H96580, AA323343, T77560, H64482, W40246, AA458804, N91572, N69399, AA665021, AA364224, AI868192, AA411659, Z22622, N35250, AI561255, AI357477, AA747480, AA374705, AW440810, AW439480, AA558716, W94226, AW192297, AI560119, AL037550, W92961, AI061292, AI061134, AA357307, AI572581, AI339182, AI241372, AA876128, AA558402, R76765, AA333450, AI572564, AW316542, AI911901, AI754195, AW328174, AI246796, AA365144, AW383634, AW410086, AI818495, AW339111, AW439646, AI826716, AI978981, AA653975, AA728973, C15093, AA488746, AI273185, AA508509, F12535, AI910609, AI915293, AP000008, AC002553, AC005771, AC005783, L44140, AC009721, AL022476, AL031577, AC004955, AC005532, AC006376, AC004659, X74962, AL035455, AC004841, U62317, AC005043, AL121576, AP000431, AP000210, AP000132, AC005772, AL109984, AC004000, AC006924, AF196969, AC005919, AP000067, AC005229, AC009509, AC005519, AC005225, AP000345, AL023284, AC004134, AL096791, AC007695, AC006501, AC001050, AC008040, AC006040, AC005520, AL096701, AF042835, AP000350, AC007052, AC005911, AC004983, AL050310, AC005015, AP000248, AC004020, Z83840, AL022316, AJ239325, AL031276, Z97832, U73479, AB020869, AC002470, AL031289, AC002430, AC004686, AL035415, AL031594, AL049776, AC005484, AC007384, Z98304, AC003950, AC005231, AC002565, AC008015, AC005081, AC004504, AC006367, AC005808, AP000501, AC004799, AC006965, AL121934, AC005320, AC012627, AC007666, AL096678, AC002996, AC002395, AL034421, AL035683, AL031283, AC005678, AC006273, Z85987, U15422, AC006071, AC005391, AL009175, AL022329, L48038, AC000026, AC002559, AC005007, AF146367, AL009031, AC002326, U19759, Z84480, AL034417, AF017104, AC002350, AF117829, Z86090, AC007226, AC004966, AC006312, AF001550, AF108083, AC004033, U95740, AL031665, AC005253, AC005531, AJ007398, AL035587, M27132, AL049766, AC002059, AC005280, AP000227, AL035658, AL024498, AC005057, AL133382, AC005899, AC008127, AC005288, AL080243, Z86061, AJ006996, AL035447, AC007030, Z98048, AP000557, AF124523, AC006011, AC005005, AC006088, Z98745, U07562, AC005620, AC004693, AL121603, AL035668, AL031848, AL031657, AB026898, U78027, AC005332, AC006141, Z82171, AC004685, AL133241, AC007542, AL031282, AC006948, AF118808, AF165142, AC004626, AL135747, AC006116, AC007388, AC005104, AL035422, AC003007, AL121754, AC004381, AC002418, AL121694, AL022165, AL023283, Z99716, AC007193, AC005786, AC006026, AF069291, AC007878, AF190465, AC004531, AL035420, AC005304, AC008038, AC005684, AC004834, AL080277, AC008498, U62293, AC004953, AF118086, AP000100, AC006285, AC004814, AC005387, AL132716, AC006001, AC005971, AC007688, AL049843, AL034379, AC004884,

HTGEU48	7307	721660	1 - 434	15 - 448	and T39860. T94971, T95021, AA501450, AA083328, AI904944, H8616, AA493789, AI817230, AI241637, N68449, AI264579, AI446127, R49266, AA747337, AA972523, H63953, AW151870, W61253, N73203, W26972, AI018726, AA506744, AI188049, AA078509, AA632565, AA683091, AA350406, AA215585, AA774098, AA047849, AI679221, N47855, AW327852, AA806089, N52323, N33851, AA302557, W76645, AA713779, AA133013, AI733856, AA342166, AA827080, AI254781, AA558404, AA525332, AW019995, AW069227, H57324, AW086117, D53046, AA484651, AI025930, AA837325, AI634187, AI207582, AA614647, AI457313, AI933111, N83628, N59744, AI472973, T62955, AA459250, AA371410, AI251144, AI492780, AI820553, D51877, AA317144, AI821342, C14966, AA225548, T65972, AA384911, AI669589, D51927, F17537, AA854782, F34465, AI348944, T06876, D56450, AA551030, AA351893, AA598605, AI885465, AA583579, AA811150, AA862312, R81453, AI969106, AI904594, AI288033, C14627, N70449, AI368862, AA484022, C15184, F33126, C15504, AI904586, AA513189, AI283938, F27229, C14796, AI039761, AA226357, AA468921, AA226356, AA708263, AI859744, AA525517, AI872229, AA434078, AA583568, AA719316, AI889426, AI138299, AA468997, AW008184, AC004001, AL031577, AP000303, AP000046, AP000114, AL080106, AC007041, AF064866, AC005484, AC005737, AB026899, AL049743, AL031428, AC004966, AP000500, AC003984, AC004593, AL121653, AL022320, AC004230, U52111, AC005406, AC002477, AC004703, AL022326, Z94055, AC002107, AC002106, AL049849, AL031433, AC010722, AC008072, AL049569, AC007371, AC007207, AL022163, AL031291, AC004707, Z93020, AC004912, AL035086, AC008124, AP000322, AP000053, AP000168, AP000121, AL031387, Z78421, AL049591, AL035634, AC002559, AL022322, AC004028, AC005208, AC004478, D64108, Z30952, AC004234, Z75407, U91320, AL034400, AL022719, AL023284, AC005082, AF001550, AC004765, AC005391, AC006255, AL080278, AL034420, Z93017, AC006947, AC006275, AL023879, U78027, AC005091, AL031230, AL035422, AC005280, AL021407, U82083, AL109616, AC006962, AP000221, AP000085, AC006146, AL034379, AC005164, AC004876, AC002509, AC006011, AL031427, AC002091, AC006511, AL132987, AL035088, AC006132, AL121915, AC005300, AC004865, AL035089, AC006946, X06292, AC004388, AC003004, AC003987, AC004790, AC000081, AP000251, AC004764, AL021978, Z81364, AC003014, AL035681, AL049635, AP000116, AP000049, AP000030, AP000212, AP000134, AP000095, AL035694, AC002115, AC006539, AC002468, AP000239, AL031295, AP000311, AC009247, AC005011, AC003084, AC002350, AL117355, AC006538, AC007684, AC005015, AL133371, L47234, AL023876, AC005255, AC003662, AP000087, AC005006, AL031282, AC004817, Z84487, AC006285, AC007447, AC005837, AP000356, AC005089, AC016025, AC006541, AC005081, AF106918, AP000300, AC004694, AL049821, AC004108, AC005841, AP000113, AP000045, AC005213, AC004910, AL031767, AC004972, AC004664, AC004491, AC002365, AL121658, X82877, AL034418, AC003093, AC003393, AC004547, AC006001,
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HTGEG89	7308	786665	1 - 438	15 - 452	AA699670, T87005, AA682585, AI247728, and AA703305.
HTGEG17	7309	662369	1 - 557	15 - 571	AW138672, R01026, AA807185, AA281859, AA281778, and AC008116.
HTGED13	7310	656504	1 - 451	15 - 465	T84646, and AC006487.
HTGEA37	7311	908606	1 - 203	15 - 217	AI040940, and AF129512.
HTGDX37	7312	708877	1 - 531	15 - 545	W95076, N64844, and R92575.
HTGDX10	7313	963854	1 - 631	15 - 645	AA579041, AW238341, AI800426, N72678, H53546, H93717, AI801563, AI791718, AI800706, AI452836, H81406, H68343, AW275432, AW117860, AA676592, AI791659, AA593828, AA873737, AI500645, AI754926, T15767, D44672, AA525753, AI754293, AI570067, AA565911, AI921765, AA602971, AI567868, AW028376, AA342238, AA425924, AI654738, AW272389, N54538, AA015948, AI204309, AA653291, AA314404, AA704040, AA515728, AI619994, AA715876, AW023111, AW151761, AI243793, T40394, F29968, AW173443, AA338289, AI078409, AA484892, AI675615, AI791227, AI927275, AA468975, AI744830, AA128947, AA565232, AL120004, AA493789, AI669421, AA483075, AI354409, AA564587, AI299891, AA603502, AA878058, AI302350, AI079894, AA664126, AI969090, AA610353, AI745116, AI921706, T84117, AI431513, AA534047, AI583532, AI613389, AA572983, AI423034, AI419419, T07903, AI356440, AA701122, AI734155, AA084439, AW151247, AL079553, AI065031, AI984168, AW192930, H47835, AL138262, AW089625, AW148821, AI702049, AA015934, AI358928, AI445699, AI250552, AI280227, AI284543, AA525881, H77492, AI620354, T03928, AI150934, AA055784, AA176604, AI678867, N70044, M77858, AA228778, AW337805, T47138, AW080058, AA744423, AA630854, AA609826, AW265468, AI307563, AA484298, AW051819, AA568127, AW304580, AI254770, AI205181, H09639, AA525517, AI251284, AI251034, AI251203, AI223626, AI587583, AI587565, AI249853, AI633386, AI272649, AI653525, AI378437, AC005247, AC005217, AC004887, AC012085, U91321, AC007376, AC003003, AP000350, AF108083, AC004231, AL031123, AC005914, AL008725, AC005088, AL008719, AC005668, AL035249, AL031311, AC007371, AC005180, AC005598, AC006061, AF030453, AC005486, AL035427, AC004167, AC005531, AF001549, AC005610, AC005045, AC003971, AL132642, AL109628, AC004025, AL049591, AC007363, AC010170, AC005377, AC007221, AC007284, AC004552, AC004526, AL024508, AC004217, AC006480, AC005071, AL035685, AC005094, AL021391, AC008498, AP000065, Z86090, L11910, AC005519, AC005158, AF027390, AL050308, AL133445, AL049778, AC005484, AC004148, AL031003, AL031289, Z98304, AC007842, AC007243, AC005833, AC005771, AC005065, AL080317, AC004685, AC005075, AC005004, AC004069, AC005220, AC007386, AC007381,

					AL031667, AC006368, AC006084, Z97054, AC002350, AC016027, AC004929, AL050307, AC004531, AC016830, AP001052, AP000008, Z77249, AP000704, AC004865, AC002288, U52111, AJ011930, AC002351, AC005682, AC004787, AL049646, AC007878, AL109801, Z96074, AF088219, AC006115, AL023876, AC004081, AC010186, AL133244, AC004659, AC004862, AL050348, AL031651, AL117355, Z93017, AC005037, Z98946, AL132718, AL121748, AC007860, AC002300, U95743, AL035089, AL136297, AC005157, AC006356, AP000697, AL022336, AC005972, AP000355, AC006211, AC003962, AC002369, AC002123, AL117258, AC002416, AC008119, AP000280, AC005969, Z95126, AL049780, AC008085, AL049697, AC005214, AC007382, AC005067, AP000109, AP000041, Z99570, AC006121, AP000107, AC005216, AC008038, AC002404, AC005856, AC005593, AC007021, AF031078, AC004673, AF111168, AF030876, AC004675, AP000039, AL034449, AC004859, AP000011, AP000152, Z54073, L47334, AL022166, AP000354, AC006313, AC005919, AC0066479, AF134726, AL035400, AL049743, AL031005, AC016831, AL034410, AC004773, AC004605, AL034548, AL049734, AC009275, AL049631, AC004049, AC008134, AC009247, AC002420, AC002454, AC008372, AC003687, U95626, AC002044, AC005225, M26434, AL096678, AC016025, AC004966, AC007736, AC004687, AC004817, AL009175, AC005358, AC008044, AC006449, AC006965, AL021528, AC004992, AC006390, AL109847, AC003071, Z82195, AL049869, AL021940, AL136168, AC009248, Z98950, AC005516, Z94056, AL035494, AC007253, AC004842, AC005320, AL035422, AF130343, AL009179, AB026898, AC007161, AP000515, AC004383, AC005192, AP001067, AL023803, AL022067, AC007151, AC005881, AC015853, AC004814, AC007225, Z74739, AC008055, AC018767, AL121757, AL031228, AC007731, AL008639, AF179633, AL035079, and AC004884.
HTGDV61	7314	741381	1 - 569	15 - 583	AA007619, AA251883, AW449640, and AW362295.
HTGDV52	7315	796065	1 - 933	15 - 947	AW301087, AI824945, AW249930, AW410790, AI628800, AW166795, AW273211, AW135164, AI332400, AA826630, AA633504, AW237676, AA902230, AI766293, AA071494, AI659072, AI091356, AI478386, AI824929, AA541660, AI910688, AA970800, AW027494, AA866063, N89610, H23449, W28238, AA918250, N71802, AI206505, AA082316, AW410873, H29625, W92152, AA888964, AI871968, AA678363, AI207283, H99870, AW135165, AA889903, R38069, W67376, T07656, AW205531, AW409867, AI420132, T17353, F10626, AW173167, AI858210, AI380828, AA203347, N62165, AA019630, W92151, AA019449, AW050420, AI269983, AW090725, AI651789, AW243570, AA017312, W22870, AA831409, AW410789, H42669, H42668, AI333511, AF052137, AJ271669, and AB023065.
HTGCQ86	7316	784676	1 - 523	15 - 537	R91710, R96722, and AI248214.
HTGCH60	7317	895628	1 - 715	15 - 729	AA661921, M77914, AW021207, AI270117, AW193365, AA063173, AI284640, AI583283, C18993, AI370094, AI350211, AI370074, AA729697, AI431303, AI036037, AI732378, AI754955, AA587604, AL046409, AI751216, AI687343, AI038705, AA490183, AI696962, AW302013, AA834707, AA658362, AA303007, AA478355, AL046205, AI281881, AA828227.

HTGDS5	7318	732247	1 - 665	15 - 679	AA613591, AW069769, AW264934, A1754658, AA826134, AA828771, A1860013, AA613203, A1358571, A1613280, AL037683, AA846952, AW276435, AA847952, A1537077, A1969436, AA720702, AA526787, AA351056, A1434137, AA526316, A1133164, AA338904, AA747070, A1678316, AW083402, AA577906, A1824706, AA828704, AA632994, AW028429, A1634384, A1281697, AA618452, R98359, A1744995, A1572924, AA601433, AW408707, A1362552, AL040921, N53150, AA713891, AW103509, N27763, N71746, AL037383, A1745151, A1121235, AA569471, AW276827, AC006120, AC007919, AC002565, D83989, X55924, X55933, U18395, X55925, U18392, U18399, U18391, U18394, AC005484, U57005, X54179, AC006515, U04355, U57006, U57008, X75335, AC007051, X55926, U57009, X55923, X55927, U18387, U18393, AC005907, X55929, U18388, A1133321, AL035045, X54175, AL078624, X54180, X55931, U67831, AC004126, AC002431, AL035552, X54181, X54178, I51997, U67217, AFI17829, AC006077, A67988, L47228, AC004857, L49046, AL035413, U18390, X55922, AC003085, AC005406, AF038458, X55932, AC005696, AC004592, AL023882, AF077058, AP000352, AL132992, AC000029, AL096776, U75931, U63313, AC006040, AC006271, X55930, AC005046, AP000351, AC005754, AC005004, U67233, AL035448, AL080250, AC004650, AC002531, U18400, U67829, U72787, AL035461, Z82215, U67827, X53550, AP000017, AP000159, AC005523, AF015151, AC007848, AB014080, AP000088, AL031780, AC002456, U67801, AC010205, AP000228, AL021939, AC004098, AF015149, AC010072, AC005037, U67231, Z86062, AC004802, AC005531, AC005815, AP000140, AC004072, AL122003, Z98051, AC006213, AC005002, AL078581, Z86090, AC007312, AC006561, AL080243, U18389, AP000282, AC006458, AC006548, AL008728, X96421, AC004895, AF015157, AF015156, AC007344, Z69724, AL031432, L78833, AC011604, AC006538, AL031733, AC005242, AC006511, AC002470, AC004940, AC006998, AC006037, U66059, U67229, AC004879, AC004167, AC005378, AC004832, AP000514, AC006006, AC005520, AL021453, AL035587, AC004263, AC003119, AC009516, AP000244, AC007043, AC005603, AL121603, AP000040, AP000108, AF015147, U67230, AP000468, AL022721, AC006350, AL034452, U80017, AC004970, AL035425, Z69666, U67235, AC004230, AC010202, U67222, AC007193, AFI134726, AC004981, AL109865, AL049766, AP000502, AC005231, U67227, AC007151, AFI11932, AL035402, AF190465, AC004929, AC005409, AC002126, AL050341, AC000092, AC011504, AC007206, AL079304, U67226, AL031734, AL023581, Z76735, AL121748, AC004825, AP000037, AP000105, AC005604, AL022163, AC005338, AF015150, AC007274, AL031670, AC004901, Z70042, AC006292, AFI11930, AC006004, AL022722, A91686, AC004933, Y18000, AC000094, AC004449, AP000431, AC007204, AC005803, AC002377, AFI188025, AL034373, AC007999, AC005785, AC006285, AL121823, and AL035252. R95094, and N71584.
	7319	578786	1 - 387	15 - 401	
	7320	870405	1 - 108	15 - 122	
	HTGDS70				

HTGBS59	7321	739388	1 - 409	15 - 423	N49021, AC010205, and AC005409.
HTGBS51	7322	578782	1 - 200	15 - 214	AL021453.
HTGBS34	7323	576472	1 - 347	15 - 361	N46749, A1818231, AA082588, AA643801, AL046746, AA112791, AW270258, AA551181, AA174016, AA174017, AA318397, AC004695, AC003682, AL022327, AL136295, AC006374, AC005859, AL031848, Z95152, AF165926, AC005037, AC005669, AC005274, AC007059, AL035398, AC002401, AL050307, Z83822, AL096791, AC009044, AC007263, AC005406, AC005066, AC005089, AC000090, AP000089, AC006084, AL034548, AC002120, AC007165, AJ006996, AL023878, AB026899, AP000350, AF033356, AP000500, AP001063, X74458, AC006388, AL030996, AC004859, AC005536, AC007406, AL139054, AP000116, AP000049, AL008583, AP000311, AL122020, AC005332, AL022165, AP000501, AC006211, AP000142, AF130343, AL132716, AC004030, AL109801, AL021326, AC000159, AC002425, AL031259, and AC004417.
HTGBS08	7324	959699	1 - 796	15 - 810	N51029, and H68078.
HTGBR52	7325	727276	1 - 378	15 - 392	R37214, H04094, AA781420, and AC004638.
HTGBN38	7326	738229	1 - 221	15 - 235	R37012.
HTGBL15	7327	660483	1 - 504	15 - 518	H64944.
HTGBH09	7328	625756	1 - 158	15 - 172	N71861, and N67954.
HTGBE67	7329	751525	1 - 286	15 - 300	AA482846, AC005152, AL121652, AC002350, AB003151, AP000688, AC005089, AC000081, AC005180, AP000495, AC005899, AC005911, AL035249, AC005154, Z95152, AC000111, AF196972, AP000248, AC005924, AC005071, AL121658, AC008080, AL050334, AC007546, AL096791, AL031602, and AC007868.
HTGBE59	7330	578807	1 - 478	15 - 492	AL031657.
HTGBE05	7331	932168	1 - 405	15 - 419	
HTGAZ86	7332	785594	1 - 528	15 - 542	N63915, AL453245, AW089866, AA557995, and AJ250915.
HTGAZ75	7333	766583	1 - 465	15 - 479	R01774, and AC004985.
HTGAY27	7334	683556	1 - 371	15 - 385	T47772, A1832594, AA552979, T95772, A1954936, AA601033, A1124830, AC005543, AB017654, AC004836, AP000465, AC007057, AC002559, and AJ239322.
HTGAX83	7335	781275	1 - 446	15 - 460	N62263.
HTGAW78	7336	773666	1 - 517	15 - 531	AA731209, AA236961, AA706202, H24953, AW161459, AW161879, A1191343, A1003797, AA936548, AA299422, AA584207, AA659832, AA666066, AW150209, A1439393, A1798407, AW157731, N34258, F31203, AA775127, C14576, A1889426, C15180, R68503, AW439724, AA226346, AL047480, AW072443, R99581, R93658, A1564215, W63553, AA297776, C14966, AL037777, AA862312, A1969106, AA609826, A1368862, C15184, C15504, C14796, AA984829, T06518, A1003245, AL046830, C14627, AL024498, AL049779, AL049697, AC007382, AC005207, AC009721, AL021155, AF092852, AL022326, AL034379, AC008015, AC003108, AP000350, Z93244, AC004999, AC005231, AL079342, AP000493, AC005866,

HTGAT92	7337	496307	1 - 489	15 - 503	AB020866, AF196969, AC007314, Z99716, AC005102, AC006449, AC005594, AC005197, AL022165, Z95703, Z68872, AC002559, AC002565, AP000365, AL035695, AC002563, AL035088, AC005822, AL109628, AC002133, AC001112, AC004941, AC005191, U77079, U77081, AL033379, AC006537, AP000958, AL096711, AC004622, AL023513, AC006160, AC004876, AP000310, AL109801, AP000116, AL096677, AC002425, AL022313, AC009247, AC007051, AL133163, AC007919, AL009181, AC006139, AC006271, AF116548, AC004895, AC004152, AL031255, AC004834, Z97630, AF003626, AL049843, AC004916, AL122020, AL031283, AC005089, AC007773, AP000118, U95090, AC007774, AC004703, AD000092, AC005216, AC005921, AF196779, AC006132, AC002528, AF027153, Z69709, AC010077, AP000467, AF196972, AL049694, AL031588, AC007368, AC007326, AL034417, AC003075, AL020997, AC005903, AC005196, AC006130, AC007368, AC007326, AL034417, AC003075, AL020997, AP000031, AC004492, AC010170, AL121603, AL031291, AC004817, AC004813, AC006117, AC004031, AL034555, Z97876, Z95118, AC005865, AC004773, Z97989, AC007450, AL022318, AC004499, AC006146, AC004985, U77080, U77078, AL031662, AC006237, AC005067, AL109984, AF017104, AL049553, AC016831, AL031651, AB014540, Z82176, AL050404, AL110122, AF191069, AF096876, AC004150, AL031230, AC007993, AL021939, AP000352, AC003084, AC005783, AF116546, AL117354, AC002477, AC004801, AB000876, AC003030, AC002504, AC006597, AF124730, AC004477, AL035070, AC005666, and AC007263.
HTGAT92	7337	496307	1 - 489	15 - 503	AA213676.
HTGAT55	7338	732248	1 - 683	15 - 697	AA033990, and W78755.
HTGAT16	7339	919524	1 - 343	15 - 357	I169643, T19082, T36034, AA578092, Z44861, F08360, R18488, Z42109, R11866, T36046, R54184, Z45556, T89821, A1817898, AA772776, F06240, and AC005332.
HTGAT01	7340	870424	1 - 359	15 - 373	AA731219, and AL034418.
HTGAS15	7341	870423	1 - 433	15 - 447	N63061, and A1039423.
HTGAR44	7342	716740	1 - 470	15 - 484	T60572.
HTGAK39	7343	705634	1 - 412	15 - 426	AA258903, and AL035455.
HTGAJ86	7344	785672	1 - 262	15 - 276	AA001630, and T99029.
HTGAJ73	7345	764598	1 - 477	15 - 491	H83056, T08052, AW373586, and AW373401.
HTGAJ96	7346	796541	1 - 605	15 - 619	N75646, AA442831, N64799, AA953995, and AW298012.
HTGAI15	7347	870441	1 - 463	15 - 477	AA693675, AA737318, AA552885, A1674873, AA020850, A1246796, A1801701, AA160481, AL041146, A1824562, A1801591, N29933, H50727, AW270382, AL079843, AA845813, AA458736, AA890235, AA158956, AW407578, F16274, N23896, AA916371, AW405299, AA483771, AA099612, AA121815, AW341892, F25972, F25867, T07287, AW024008, AA199616, AW236342, AA134669, A1302994, A1432814, T16427, AA182569, AE000660, AC003029, AC005207, AL031770, AC005740, AL080114, AC006138, AC006049, AF045555, AP000513, Z85987, AF106564, AL031311, AP000966, AC005900, AC005081, AL109847, AC004858, AP000959, AC007688, AL022320, AC005023, U91321, AF013593, Z68331,

HTGAI13	7348	955227	1 - 413	15 - 427	AC006965, AC002470, AL133011, X52851, AJ012008, Z72520, L34079, AC004180, AC005175, AC004202, AC004227, Z99756, AF130247, AL031777, AF121781, AC004856, AP000504, AB020867, AP000518, Z98036, AL022163, AC000159, AF227510, AP001068, AC007324, AF165138, AC007130, AC004998, AC004595, AL034551, AL050318, U95740, AL122020, AC005799, AC005548, AC006016, AB023054, AC004816, AP000555, AC008079, AC005695, AC007842, AC008055, AF001549, AJ011930, AC003070, AL035458, AP000354, AF165142, AP000952, AL035249, AC005332, AL035494, AP00010, L44140, AP000130, AP000208, U80017, AP000247, U49740, AC001163, AC002288, AB017567, AC006980, AC004151, AL008735, AC000075, AC004755, AC006930, AC005545, AC004236, Z75744, AC000041, AF165141, AL049736, AC005156, AC004007, AC002036, AC005694, AL033392, AL035466, AC006525, AL022315, AL109611, U89337, AL031775, AC007397, AD000092, AC005091, AL096862, AL008730, AL049760, AL096712, Y18000, AC005664, AL034429, AC004542, AL121653, AC002377, AC005702, AL035684, AC005527, AC004981, AL033381, AC006356, AC004062, AC018769, AC018767, AC005531, AC000097, AC006222, AC004053, AC005510, AC006948, AC006064, AC002059, and AC007637.
HTGAI13	7348	955227	1 - 413	15 - 427	II62611.
HTGAD62	7349	754052	1 - 518	15 - 532	AA031926, T10780, and Z73639.
HTGAD16	7350	567432	1 - 1025	15 - 1039	AL037910, AA488746, AI859834, AI623899, AL046409, AW406447, AI284640, AA192278, AA468322, AI343143, AW189068, AA808263, AA814778, AA526193, AI561060, AI431303, AW402458, AA878149, AW276827, AL119691, AW193265, AI281881, AI445815, AI350211, AI963720, AW408063, AI446474, AI613280, AI571512, AW265138, AA342681, T05769, AW277109, AA857296, AI828405, AI284583, AI192631, AI334443, AI270117, AI371249, AA714956, N53150, AI921476, AA829225, AL120976, AI053672, AI079129, AI708009, AA572960, T40077, AI061334, AI375710, AW271904, AI249688, F17700, AA578918, AI688846, AI471691, AW276984, AI174230, AA457685, T40612, R92629, AA814578, AW337954, AI281903, AI623720, AW192330, AI917132, AA579469, H58472, AI755214, AI754567, AI365988, AI769271, AW089810, AA501784, AI520724, AI859946, AA501614, AA577906, AA086318, AA632845, AI160117, AL036283, AA631507, AI590772, AI754105, AI109753, AL031666, AC006285, AC009501, Z96568, AC007371, AC005598, AC007032, AF077058, AC000134, AC004148, U57007, I51997, AL079342, U57005, AC005993, X75335, AC007227, AL049843, U18391, U57006, AC004024, AC005378, X54181, X54178, AL031589, Z84480, D86992, AF196779, AC002476, X54175, U18392, U18394, AL035684, X55925, U57008, U18390, X55932, U18398, D88270, U91321, AC004257, AC002492, AC005620, AF015153, AC004821, AC005538, X54179, AC006449, AC000070, AJ011930, AC004168, U57009, AC005385, X55924, U18395, U18393, X54176, M37551, Z22650, AC005778, AC006511, AL109628, AL132712, X54180, U67801, AL031257, X54177, Z93341, AL023553, AL022320, AC003107, AC006537, AC008275, AL096701, X55926, AC002544, AL096774, AL117352, X55923, AL050338,

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HTGAD05	7351	932378	1 - 359	15 - 373	AA136219, and AA136122.
HTGAC17	7352	664513	1 - 207	15 - 221	N32296, and AW294045.
HTGAA80	7353	574099	1 - 263	15 - 277	AA767660, T59612, H63465, AI624244, AA513983, F13808, AA078539, AW020088, AC006249, AC005377, AC007637, L29766, AC002544, AL034423, Z93016, AC005015, AD000092, Z98885, AL132987, AC004802, AC007540, U91326, AC009247, AC004887, AC007227, AP000359, AC004678, AC004448, AC006581, U66061, AC005102, AC005696, AL035695, AC002301, AC000067, AC006211, AC006046, AL022315, AC005484, AL035458, AC004894, AC005632, AC005595, AC000396, AL022312, AC004859, AL022238, AL022320, AC006057, AL049636, AL049776, AC006501, AC004797, AC003030, L78810, AC004968, AL035086, AL034417, AC002316, AB000877, AC007056, AC005500, AC007537, AL109758, AC005071, AC005670, AC004883, AC004820, AL035423, AC006064, AC002511, AL031283, AC006463, AL139054, AC002996, AC005736, AC005291, AC005041, AP001116, AC004851, AL034420, AC006088, AC006468, AC000025, AL022336, AL049569, and AC005207.
HTGAA44	7354	574114	1 - 252	15 - 266	
HTDAC74	7355	765656	1 - 446	15 - 460	AA157291, T47205, T47206, and AF108459.
HTDAB18	7356	870746	1 - 1454	15 - 1468	AI936530, AI697020, AA025283, AW268465, AA449313, AW264405, AI378679, AI081908, AI031534, AI377811, AI275521, AI377061, AI432300, AA234506, AI363281, AW272480, AI800544, AA194935, AA421721, AW168455, AA476738, AA449948, W38696, AA470900,

HTBAB07	7357	954434	1 - 447	15 - 461	AA195534, N94923, AI435923, AA234120, AW269667, AA086243, AA292106, W37558, AI253127, AA112193, AI266499, AI215742, AA889883, W37218, AI265961, AA292105, AA479162, AA878762, AI142708, AA683553, AA410515, AI280280, AA683562, AW132000, AI301437, AW008356, AA889825, AA249058, AF045573, and AF115510.
HTBAA86	7358	785846	1 - 408	15 - 422	AA179994, AA382187, and AL049557.
					AA382172, AA382173, AW276827, F36273, AW193265, AW270270, AI350211, AI613280, AI114704, AI298710, AI148277, AI249365, AI284640, AI431303, AI733856, AI061334, AW162489, AI963720, AW265009, AW148792, AA857486, AI088162, AA486559, AW193432, AI049722, AI688846, AI610159, AW007789, AA084070, AI768952, AW151991, AI270117, Z85988, Z82188, AF001549, U63721, AI133238, AI034429, AI133396, AP000694, AC005921, AC004975, AL031848, AF129756, AC002470, AL031295, AI133246, AC005736, AC002117, Y14768, AF200465, AI132777, AC003080, Z95113, AC004150, AF111168, AP000555, AC004991, AL049776, AC007308, AP000505, Z83840, AP000557, AC003108, AL109628, AL050318, U91323, AC005261, AC006449, AC004804, AL133448, AC005409, AC005332, AC004534, AL031729, AC004812, AP000967, AC005962, AL031670, U62292, Z68321, AI121603, AC006057, AC000134, AC002996, AF134726, AC002288, AC005726, AC006241, AI003147, AC005015, U91321, AL021707, AC007226, AL022318, AC008372, AL031431, AC004686, AF196779, Z98200, AC005722, Z82244, Z84466, AC002073, AP000302, AP000359, AC005808, AC002369, AC002477, AI135744, AC005624, AL096701, AC004859, AL035659, AC004876, AF207550, AL049872, AC003037, AP000114, AL009181, AL034548, AC005529, AP000046, Z95152, AL031680, AC003041, AC007040, AC006480, AL049869, AL034417, AC004887, AC005180, L47234, AC007934, AC007541, AC004491, AC005620, AC004771, AL021546, AC005412, AC005081, AC007225, Z98751, AL035587, AC010170, AC002395, AL022237, AC005971, U78027, AC005207, AC007435, AL022327, AC002316, AC007216, AL035420, AC007193, AC004019, AC004814, AC004526, AC004447, AC004477, AC020663, AC004857, AC006430, AC002059, AL034420, AC004757, AC004253, AL049843, AC005516, AP000556, AC003684, AC005598, AL139054, AC004100, AC005740, AC002544, AC004985, AC006468, AL096791, AC005702, AL008725, AC005844, Z85986, AL023807, AL021578, AL049539, AC005670, AC005274, AC006026, AC005520, AC005527, AF181897, AL022476, AC005089, Z99716, U07562, AC003101, Z69917, AC004230, AC006121, AC007731, AC006511, AC005500, AF109907, AL020997, AL122020, AC006966, and AC003669.
HTAJPI2	7359	969518	1 - 426	15 - 440	AI924900, AA887916, and AL096755.
HTAJD72	7360	880561	1 - 232	15 - 246	II57855.
HTAIY90	7361	973870	1 - 398	15 - 412	AC006121.
HTAIQ05	7362	930947	1 - 345	15 - 359	AI003440.
HTAIG58	7363	838701	1 - 495	15 - 509	W26273, and W28557.
HTAIF22	7364	910040	1 - 452	15 - 466	

HTAIF11	7365	965738	1 - 515	15 - 529	AB002347, and AL049843.
HTAHZ02	7366	918304	1 - 264	15 - 278	
HTAGB16	7367	870855	1 - 567	15 - 581	T85562, AW161607, and A1879090.
HTAFC92	7368	790991	1 - 406	15 - 420	R18870, H17731, R22698, A1681962, R54247, AC004882, AC004531, U91323, AC005529, Z84484, AC005544, A132712, Z81364, AC004832, and AC008372.
HTAEV23	7369	959129	1 - 810	15 - 824	A1096883, AA476998, AA019020, AL120070, AL046807, AL042275, and D43949.
HTAEP05	7370	932459	1 - 539	15 - 553	AI125151, A1298755, A1025239, AW294401, AW292459, and U62317.
HTAEK41	7371	870858	1 - 309	15 - 323	AF132607, and AB006626.
HTAEF68	7372	753597	1 - 156	15 - 170	H20766, and AB002339.
HTADW88	7373	425065	1 - 234	15 - 248	
HTADW52	7374	537376	1 - 156	15 - 170	AL133448.
HTADO10	7375	908307	1 - 190	15 - 204	Z41228.
HTADB68	7376	753598	1 - 528	15 - 542	T91391, AW299806, and AW299816.
HTACX05	7377	932467	1 - 649	15 - 663	W05789.
HTACW82	7378	778852	1 - 360	15 - 374	R02728, AA699715, A1052571, and AL133404.
HTABK47	7379	720684	1 - 695	15 - 709	AA004882, AA677920, W88950, AA677748, R95883, A1889377, A1687430, AA381958, A1693929, N77387, A1870875, A1937184, A1942476, AW070884, AA431317, AW082772, AA093356, AA931129, A1953855, AA828290, A1199606, A1369307, AA005088, AA889621, A1087410, N52427, AA879140, T74882, A1862944, AA994314, AA807241, A1310814, A1864552, AA740575, AA694382, AA889068, AW392436, R51112, AA804805, AA215997, A1184967, AA807932, N95470, R69182, F29171, AA431669, AA429112, AC005480, and AF132944.
HTABE12	7380	971524	1 - 246	15 - 260	AA381579, and H69131.
HTAAO12	7381	972231	1 - 707	15 - 721	AW083187, AA381398, AA367305, R50884, AW376970, AW376967, AA186803, AF123887, AF144695, and AR018794.
HTAAB06	7382	960796	1 - 373	15 - 387	A1732331, AA574361, AA381015, AA574404, AA574322, and AA584423.
HTAAA45	7383	518652	1 - 384	15 - 398	AA381161, AA381160, AA635976, AA845212, AA582554, AA528390, AA847508, AA847427, AA121777, H69089, AA484892, AA729070, F17312, AA740571, N66684, F35684, H93293, AA741403, AW151761, AA568204, AA570740, AA483606, AA243976, AA557945, H53217, F19606, A1798493, AA714011, A1306232, A1251576, AA907411, AW081303, AW189384, AA579208, A1915081, AA488419, AA862243, AA714282, A1583466, AA523695, AW274191, H66577, AA482954, A1270476, AA832145, AA635150, AA526724, H63660, R95840, AA584482, AA669407, AW089950, AA573564, A1476017, H58393, AA599080, A1223968, H19684, AA584489, AA973261, AA470567, AA574442, H60249, T57767, A1872229, H53109, N72170, AA670267, A1962030, AW3737526, A1590404, A1623764, AA661590, AA610509, AA833896, N93272, AA679625, AA215470, AA833875, AA595547, AA829044, AF001177, AC005306, AC006241, AF207550, Z69890, AC004966, AL009183, AL139054, AC005730, AC006509,

HTAAA31	7384	693527	1 - 286	15 - 300	AC005089, Z83840, U95739, AL049709, AL121603, AL096701, Z98743, AF129756, AC007421, AC005280, AF165926, AC004216, AL136295, AC005529, AC000353, AC004000, AC002369, I34294, Z83822, Z82203, AC004858, U47924, AP000503, AC006441, Y14768, AP000130, AC005229, AC004019, AP000505, U91327, AC009516, AC005519, AF134726, AC007666, Z92542, AC006581, AC005484, AL034420, AL049869, AF205588, Z83826, AC002401, AL035249, AC002306, Z82215, AC005527, AP000215, AC005585, AL034379, AL035079, AC008116, AC004821, AC005365, AC008085, AL020997, AL034421, AJ133269, AC005768, AL050348, AP001065, Z98304, AL096791, AC007686, AC002477, L78810, AC005736, AC005180, AL080317, AC005288, Z81364, AB017602, AC003043, AL135744, AF176815, AL021391, AF064858, AC002551, AL020993, AC005703, AL008726, AC002375, AL035587, AC004967, AP000555, AC004975, AL050318, AC003104, AC005899, AC005412, L44140, Z83844, AF111167, AL133246, AL049780, AC002492, AC006039, AC007435, AF196969, AC004882, AC002126, Z81450, AC006261, AC003966, AC005841, AP000355, AC004033, AC004859, AC006088, AC005202, AF111168, AC005632, AL035684, Z99716, AC002310, AC007227, AL031255, AC007371, AC005829, AC002312, AC004039, AC005606, AC006160, AC006006, AC006511, Z99714, AC004659, AL109628, AL022476, AC005565, AC005104, AC007381, D84394, AC009509, AC005011, AL031673, AC007226, AP000112, AP000044, AC005015, AP000552, AP000556, AL109963, AC006162, AC006120, AC000097, AC005393, AL035086, AC005231, AC005261, AL109798, AP000344, AC002470, AC005067, AC004491, AL080243, AC006547, AL049775, AC003109, AF047825, AC005755, AC002301, AC005972, AC000052, AC006960, AL133163, AC004814, AL078624, AP000692, AL049712, AC004905, AC012627, AL049757, AC004912, AC003957, AL008723, AC006333, AC006255, AC005225, AC003007, AC005822, AC004525, AC005146, AC004167, AC002350, AC006146, AC004895, AL133312, AC005159, Z84466, AC005057, AC002302, AP000116, Z97183, Z85987, AL031284, AC005031, AC005933, AC004587, AC004125, AC006487, L78833, AC004072, AL133321, AC003684, AC005821, U80017, AC004228, AC005913, AC000003, AC006121, Z69706, AC005839, S42653, AC004929, AC005696, AL021394, AC006468, AC005837, AF109907, U91323, AC005253, AL009179, U62317, AC007559, AC004531, AL109627, AC005363, AF200465, AC010205, AL022334, AL021917, AF064861, AC005409, AC005332, AC007050, and AC006388.
HTAAA31	7384	693527	1 - 286	15 - 300	AA380933, and N41495.
HT4AY23	7385	973773	1 - 444	15 - 458	AL031657.
HT3TA67	7386	752169	1 - 470	15 - 484	R56611, H06924, R25038, and AW380697.
HT3SH28	7387	508061	1 - 228	15 - 242	
HT3SA81	7388	589206	1 - 303	15 - 317	AL606064, AA380785, AA063001, AA740970, AL473914, AJ000553, and AF051325.
HT3SA80	7389	781631	1 - 339	15 - 353	AA773463, AA828637, AA566084, AA133596, AL042667, AL042670, T50676, AA488419, AA076418, AL635609, AA156147, AA599199, AL754170, AA557945, AL536834, AW069412,

HT3SA71	7390	766391	1 - 402	15 - 416	<p> AI431513, AA225795, AI223968, AA988610, AI538236, AI370470, AA015948, R67038, T10218, AI791659, AI307563, AA515728, H81406, AI282821, N94342, N29936, AW272740, AA613761, AA864426, AA632765, AI811201, AW238341, AI434037, AI079894, AI570943, AA262752, AW161016, T34066, AA719564, AA779783, AA079421, AI969090, AA133293, H53546, AA713769, AI758424, AA280509, AI567676, AA572983, AA019068, AI080732, AI049701, AI963856, H72943, AI278972, AW105729, T51436, AW149241, AA676592, W69639, AA579082, AA522864, AA584756, AF053630, AP000354, U15422, AC005839, AC002310, AC005057, AC020663, AC005399, AC005412, AC006241, AL034423, AC000353, AL020997, Z83822, AC006312, AL132712, AC005972, AL121652, Z95331, AC007225, AF196779, AP000131, AP000209, AL035072, AL096701, AP000280, AP000248, AC008372, AL031595, AL132668, AP000696, AF196972, AF134726, AL023284, AL034429, AC004851, AC002302, AF207550, AL118497, AC008126, AL022238, AC006538, AP000359, AC004966, AL022330, AL049795, AC005566, AC005841, AC006270, AC004647, AC004032, AC007327, AC004099, U96629, AC005015, AL133244, AP000050, AC005081, AL022322, AJ246003, AC005736, AL096791, AC007207, AC007686, AP000022, AC007376, AL139054, AP000117, AC005324, AL049834, Z84466, AC007917, AL049838, AC006011, AL021391, AL034420, AC004531, AF047825, AL109627, AP000115, AL031228, AC004382, AL049759, AL020995, Z86090, AC002347, AC006071, AC005365, AF053356, AL121658, AP001052, AL030996, AC004988, AC004975, AC007182, AC004257, AC005304, AL035071, AL080317, AC006388, U89335, AC004084, AP000692, AL049569, AC002400, AF045555, AC004814, AC006057, AC005102, AC007537, AC007308, AF088219, AC006026, AC007690, AF196971, AC008044, AL022069, AP000691, AC005531, AC005189, AL117330, AP000553, AL022316, AC002350, AJ003147, AC005666, AL049776, Z98884, AL049757, AC004659, U85195, AF187320, AL121769, AL022311, AC004216, AC002128, AC006139, AC004815, AL080243, AC005046, AC007685, AC002425, AC003043, AC007688, AC005071, AL133448, U78027, AL079339, AC007637, AL022312, AC006960, AC007371, AC004859, Z83844, AE000658, AL031311, AL096712, AC007955, AC002470, AC002565, AP000355, AL032821, AC002559, AC005006, AL034379, Z82182, AB023049, AC008012, AC005363, AC004517, AC007546, AL031431, AC008394, AC007450, AL008635, AC002301, AC007617, AC004883, AC005821, AC004841, AP000163, AC004134, AL021546, AP000514, AC006130, AB017602, AC006511, AC003037, AL034553, AC005920, AC002117, AB000877, AC004223, AC000025, AL122020, AC004792, AD000092, AC005480, AC002477, AC006111, AL078638, AC007014, U10087, AC008154, D87012, AL031295, L78810, AC004019, AC011311, AC004905, AL009181, AF111167, AL117344, AL031780, AC005726, U91326, AC007993, U47924, AL049872, AL035682, AL031584, AC002544, Z94801, AL049832, AL035422, AF104455, AC005779, AC005837, AC006487, AL021808, AF030453, AL021707, AC002546, AL031680, AC004973, AL031602, Z68226, AC003669, and AC006084. </p>
HT3SA71	7390	766391	1 - 402	15 - 416	<p> AA812058, AL135696, AA569648, AA659324, AA569667, AL043351, AA470899, AA449997, </p>

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HT3SA56	7391	522757	1 - 404	15 - 418	AC000120.
HT3BK75	7392	766488	1 - 366	15 - 380	R74031, AL131053, AL288514, AW207346, and AL239976.
HT3BF33	7393	527782	1 - 287	15 - 301	
HT2TA82	7394	522751	1 - 349	15 - 363	
HT2TA37	7395	522754	1 - 318	15 - 332	
HT2SA86	7396	524290	1 - 421	15 - 435	AA485578, T74382, AL18921, AA584167, AL042906, AL042905, AA489939, T60544, AL250281, AL042539, AL016704, AA708108, AA525824, AA665160, AA601348, AL048090, AA574077, AA224525, AL048060, AA837035, AA632821, AA601376, AA425283, AA847507, AI065031, AW263396, AA501821, AA342040, F27846, AA533725, C16675, AA379965, F29968, AI926104, AA661583, H93404, AI919048, AA372949, AA477103, AW166611, AA834816, AI345157, AA702206, AA720732, AA349437, W01265, H73230, AA083046, AA634889, AI587565, AA314494, AL174703, AA767660, AI587583, AA515048, AA496895, AL044701, AL133861, AL040054, AW131457, AA365135, AA525753, AA351056, AW021847, AA134720, AA524804, AA502860, AW438643, AA577824, AA577959, AA188664, AI003068, AW265735, N54397, AI890236, AI350211, AA489571, AI872020, R33941, AI547110, AA747469, AA600202, AI445674, AW087537, AA847499, AI367887, AA372312, AA714011, AW364981, AI049999, AI499954, AA152404, AI588877, AI149528, AA714806, AA248710, AW275788, AC007263, U80459, AC005225, AP000557, U82828, AL049829, Z98051, M63544, U95739, M63543, AC007182, AP000113, AL049776, AC005488, L78833, AC006064, AC004242, Z97054, AC005365, Z93244, AL035587, AL035458, AC000353, Z83838, AC005015, AC005837, AC004520, AC002301, AC005821, AC005899, AF109907, AL050307, AC010205, AL031295, AL031774, AC004975, AC006344, M89651, AC006538, AP000299, AL049697, Z83840, AP000556, AC007546, AF039907, AC005778, AC005913, Z97876, AL133396, AC005355, AC006210, AC004156, AC005519, AC005399, AC005082, U91318, Z82206, AC005081, AC005529, AC003009, AL022336, AC007298, AC004858, AP000031, Z98304, AC005971,

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HT2SA63	7397	518341	1 - 414	15 - 428	AA664248, AA768179, AA484892, AW019964, AA077817, AL624379, AI536858, AI356440, AW272640, AI814682, AI291439, AA862075, AW089950, F35684, AI125615, R72242, AI133164, H77505, AW148775, AI699833, AA837771, AI469172, AA483034, F32248, AI130709, T94072, AI537995, AW190277, H86579, AA714449, AA558697, AI915081, AA745410, AL119838, AA584207, AW249541, AI280504, AA441788, F36273, AI791659, AA728861, H63607, AA715351, Z99127, AL080243, AL008582, AF181896, AC004448, AL049758, AL139054, AC004013, AC005036, AC004883, AF141308, AC007421, AC005773, AL049856, AJ010770, AC006947, AL121825, AC004125, AC005231, AC006600, AC005483, AC005911, AL021939, AC005225, AC012627, AC003043, AL031010, AC002980, AP000307, AP000115, AP000501, AC004492, AL031602, AL133246, AC000353, AL031447, AC008044, AC006071, AC001227, AC002101, AC005585, AC004832, Z84466, AL031666, AP000350, AF196779, AP000277, AP000037, AP000105, AC007279, AC005520, AL050307, AC005663, AC005837, AC005602, AL035455, AB017602, AC006011, AC004382, AL022323, AC005399, AL049869, AC005664, AC006581, AC003110, AC005049, AC005914, AF111167, AP001051, AC007227,

HT2SA50	7398	522771	1 - 580	15 - 594	AF067844, AC004531, AL049743, AL023575, AL031672, AC019014, AC007312, AC005666, AC006959, AL132987, AP000503, AL031984, AC004849, AF134726, AC005066, AC007388, AC007934, AC006050, AC002997, AL031281, AL035690, AF196971, Z97054, Z83840, AC006511, AC007216, AC004686, AC004185, AP000509, AC003661, AC003689, D84394, Y14768, AC007326, Z84482, AC005531, AP000068, AL049569, AC006449, AP000310, AC008064, AC000075, AC000084, AC006468, AC004132, AC004222, Z94161, AC006388, AL031664, AC002563, AC002107, AC002106, AC004963, AL117328, AC004009, AC004910, AC002115, AC006146, Z84487, AL021367, AC005599, AC007270, AC005323, AC006312, AF015262, AJ229043, AC006160, Z81007, AC006057, AC002091, AC004025, AP000328, AP000170, AP000055, AP000123, AP000044, AC004955, AL031729, AL121757, AC004682, AD000813, AL020997, AL078472, AL049694, Z99754, AL049795, AC004590, U63630, AD000091, AF061032, AC004449, AF003626, AC005375, AL035089, AC008072, Z77249, D86995, AL132826, AC006597, AC006130, AL109952, AC007129, AC005696, AC004796, AL121871, AC018633, U02054, AC006275, AL135744, AC005328, AC005227, AL035405, AL035495, AC004234, AC008014, AC004659, AP000348, AP000349, AL023513, Z93017, AL133245, AL031848, AC007347, AC005988, AF029308, AC006101, AP000689, L40817, U15422, AL133485, AC006930, AC004477, AC004895, AC002553, X87344, AP000116, AP000505, AB023049, Z97876, AC0020663, AC004810, AC005348, AC005014, and AC005944.
HT2SA48	7399	508077	1 - 260	15 - 274	T90639, AL037825, T77914, T77832, and AL049991.
HT2SA47	7400	578704	1 - 326	15 - 340	AL572364, AI656924, AI678258, and AL023806.
HT2SA38	7401	840184	1 - 388	15 - 402	AA315580, AA629799, RI0762, AA737320, AI818532, AI818533, AA069697, AI625427, AW265051, AA857694, AA857054, AA069300, AI246471, N35626, AW079382, AA134390, AA115721, AI189655, AA626764, AA160498, AA321752, R46585, AA662431, AL047467, AA321116, AC006057, AF196779, AL121603, AF050154, Z15025, AC007225, AC004797, Z98743, AP000505, AL133163, AC005670, AC002312, AF129756, AC005529, AP000088, D87675, AP000326, AP000054, AP000169, Y14768, AC004882, AC005089, M19364, AL049760, AC006948, AF196972, AC005049, AC004841, AF045555, AC005081, AC005759, AC004032, AL031255, AC002390, Z68870, AL078596, AL022336, AC006450, AC000125, AC000353, AC002477, AL035249, AC005702, AC006241, AC002347, AC005695, AL096791, and AC007450.
HT2SA37	7402	695038	1 - 143	15 - 157	AC006010.
HT2SA26	7403	522770	1 - 391	15 - 405	Z95113.
HT2SA13	7404	870917	1 - 333	15 - 347	R59568.
HT1TB40	7405	575355	1 - 328	15 - 342	H30696, R84479, AA501947, and AA708614.
					AA312331, AW020150, AI537368, AI521525, AI926102, AA302979, AI242614, W60077, AI791659, AA747234, AI266359, AA968883, AB011116, AC005911, AC005231, AC004851, AC004650, AL035086, AL031282, AC004797, AL031291, AP000503, AC006449, AC007151,

part 5

HSYBH70	7414	756492	1 - 563			W90074, and H58434.
HSYBH16	7415	661807	1 - 858	15 - 577	15 - 872	AI743403, AW207623, H11817, AA019397, R13362, and AA203639.
HSYAV79	7416	928403	1 - 396	15 - 410		AA252919, W94652, AI685537, N35522, N26472, W94613, A1733918, AA399170, N49231, AA936187, and AC007016.
						AA252272, AI114591, AW188427, AA309530, AA216397, AL040521, AI275631, AA858245, AI537772, H65465, AL049766, AC005591, AC004686, AL096791, AI009181, AF129756, AL022322, AC005015, AC005102, AC005940, AC005399, AC004854, Z85987, AL031587, AC005839, AC000134, AC005736, AC008018, AL031005, AC004263, AC005411, AC004449, AC020663, AL031588, AF053356, U52112, AC002544, AL049829, Z93930, U91321, AL049643, AC005914, AC005778, AC007050, AL031295, AC002997, AC002073, AC005237, AC005071, AL031729, AL022316, AC012384, AL049869, AP000962, AF207550, AL132712, AC006948, AC004913, AL109798, AC000353, AC005726, AC005324, AC004675, AC004962, AC003667, AC004660, AP000512, AC006120, AC006511, AC006241, AC004887, AC007225, Z99716, AL049780, AC007055, AC006530, AP001053, AC007604, AF088219, AL049709, AC005274, AC006449, AC007227, L44140, AC003070, AF134726, AC005562, AP000065, AL031311, AJ003147, AC007226, AC007308, AL110122, AP000550, AC004020, AC007421, AC004755, AC003663, AC005620, AC005316, AL135744, AP000045, AP000113, AC006064, AC002115, AL034562, AL049759, AC004673, AP000240, AC005924, AC005899, Z82214, Z70280, AC005041, AC004560, AP000049, AC004408, AL031848, AC000097, AL008583, AP000311, AF111169, AC006121, AC006538, AP000116, AC005529, AC006547, AC005363, S56773, AC005317, AC007011, AC002352, AC002425, AL049569, Y14768, AC005619, AC006285, U62293, AL136295, AC005060, AL133163, AC007919, AF015416, AP000556, AC004841, AF196969, AP000505, AL022721, AL031650, AP000248, AC007371, AC009516, AC005360, AC007546, AC005243, U52111, AL136130, AC009247, AC006965, AL133500, AC008132, AL117258, AC006571, AC005943, AC005089, Z92542, Z98949, AC003681, AL035413, AC005486, AC012599, AL117694, AC004050, AC007981, AL008718, AC003006, AL022328, AC003010, AP001046, AC004491, AC006251, AL078638, Z97181, Z81369, AC006130, AL035587, AL021920, Z86090, AC005057, AC007324, AL049843, AC005215, AL021528, AL079295, AC008101, AC004150, AC000026, AC006160, Z83826, AC005081, AL080243, AL133485, AC002492, AC002331, AC007707, AC005512, U91326, AC002477, AC005919, AF030876, AC002350, AP000143, AL121658, AC002059, AC007344, AC005412, AF196779, AC006019, AL022476, AC005701, D87675, and AP000090.
HSYAU07	7417	953032	1 - 658	15 - 672		AA666395, AI016892, AA773310, AA666419, AW117831, AA668617, AW069744, AA864910, H70254, H83088, AF037222, AC004913, AC004791, AL121825, AL078639, and AL022318.
HSYAF81	7418	493771	1 - 499	15 - 513		AA994578, AI370475, AW131315, AL037910, AW082117, AL036283, AA603323, AI821467, AW301350, AW303196, AA878149, AW274078, AW406755, AI810236, N22032, AL045709, AI963720, AI908093, AL135698, AI252506, AL038606, AW274349, H45320, AA808263,

AA468322, AI865213, AL039187, AL037632, AI890348, AI343143, AA449997, AW268277, AA984263, AI273107, AA715706, AL041924, AA814778, AA947375, AA715814, AI445815, AL079734, AA557486, AA665330, AI870197, AL079834, AI925653, AL041375, AW277109, W23546, AA827231, AL039471, AI120976, AI061313, AI079129, AI623899, AI609972, AI828405, AL041083, AI121210, AI821881, AI859946, AI537995, AA492313, AA533408, AI355246, AI923052, AA877817, AA410788, NS5019, AA552322, AL037952, AI801701, AL039530, AI282479, AL042756, AL040072, AI446474, AA601680, TI7269, AI865905, F29989, AA503258, AA857296, AI813795, AA661948, AW276435, AI284583, AI754013, AL048925, AW271904, AA814578, AA019973, AI754923, AW402458, AI127916, AW277171, AI120579, AW189278, AA503168, AC006965, AL049776, AC005484, AL034549, AC004796, AC005921, AC004894, AC002045, AC004584, AC004519, AF196969, AF001550, AC002039, AC008372, AF015720, AL109963, AC006561, AJ229041, U91326, Z98051, AC004068, AC005755, AL022313, AL024498, AP000959, AL050338, AC005254, AC005280, AP000346, Z85996, AC002544, AC004236, AL078639, AC005138, AC006285, AC005971, AC005291, AC003682, AC006138, AC005189, AF001549, AC008101, AC005192, AL035587, U95742, AC007221, AC005520, AC005598, AC005832, AC005037, AC004067, AL034399, AL021707, AC004472, AC004815, AC001228, AC003043, AL035400, AC005004, AC007917, AC004253, AC002375, Z99716, AC010197, AC009516, AL020997, AC004938, AL008718, AL122020, AL031433, AP000555, AC006120, AL121603, AC005875, AP000557, AL008582, AL031055, AC016025, AL023803, AL035694, AC007216, AC005277, AF015722, AC004386, Z98742, U95743, AC006241, AC005585, AC005393, AP000513, AC005046, AC005386, AC006468, AC004821, AC004797, U96629, AC003962, AL035072, AF003626, AC004024, AL049829, AC008040, AC005071, AC006211, AC003029, AC005378, Z83846, AC004148, AL031005, AF126403, AC009464, AC004590, AL022097, AL008721, AC002288, AL031286, AC004596, Y18000, AL035089, AL035683, AP000476, Z98304, AC016830, L11910, AL136295, Z85987, AC007546, AC005288, AL031281, AC004890, AC016027, AL022318, AC004887, AL009181, AP000553, AC005007, AC003051, AC004558, AL050308, Z98950, AC002425, AL080286, Z82194, AC005972, AC007536, AL109802, Z82215, AC005856, AC005529, AC002527, AC006390, AL133246, Z84483, AC006996, AC004098, AC004448, AC007731, AC006318, AC006952, AC005500, AL117337, AL137100, AL020996, AC008498, AL008729, AC006204, AC005701, AL136501, AL031132, AF002223, AC008012, AC004534, AJ006997, AL022238, AC002063, AC011331, D83253, AC002418, AC007276, AJ003147, AC007191, AC004526, AC007324, Z93017, AL096817, AP000073, AC006552, AC002301, AC009399, AC004954, AC007458, AC002470, AL133163, AL031904, AC005839, AC009248, AL110502, Z69917, AC002036, AC005826, U85195, AF205588, AL031667, AC008085, AC005699, AF067844, AC004491, AB020870, AP000514, AP000356, AL023879, AC005220, AC006379, AC005274, AL024495, AF051976, AC005821, AC006480, AL049694, AC008079, AE000658,				
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HSMBD15	7419	659891	1 - 407	15 - 421	AC005488, AC007386, AL035541, AC006312, AC005548, AC002091, AC000112, AC002351, AC005562, AC005477, AC003107, AL034417, AP000474, Z97054, AL096791, U95740, Z82901, AC007298, AC004967, AC006153, AL135960, AJ131016, AL008633, AC004934, AL034394, AC007055, AL021395, AC004019, and AC004477.
HSMB78	7420	917244	1 - 644	15 - 658	N34175, AA461238, AA092575, and AA331823.
					AA393439, N63936, AW197010, AA460782, AI092889, AI079040, AW197137, AA557383, AA411820, AI150862, AI023305, AI373812, AI654759, AA628727, AW071028, AW104069, AI146710, AI241449, AI379435, AI189274, AI635068, H99871, AI038814, AA918973, AA330584, AI278070, AL079427, AI079426, AA962441, T60742, W22792, AI334806, AW190745, AI042557, AW316719, AI262577, N74491, AI564832, H49267, AA737070, AA707017, AA262472, AA400871, AA844052, AA292705, N22135, AA659903, AI275831, R98400, R37266, AA151662, N68298, AI222529, D12311, AA321005, AI194059, W03193, AI027104, F09558, AI401786, AA554228, F10196, AA327628, D12306, N62683, AI422779, T65152, AI243057, AI197916, N35723, T89270, R37372, F09567, AA401639, T84342, N28556, AA804442, and AC002400.
HSMBA83	7421	780932	1 - 412	15 - 426	N48782, and AW148806.
HSMBA39	7422	715630	1 - 349	15 - 363	AI420669, AI421859, and AC004839.
HSZAQ69	7423	754362	1 - 409	15 - 423	R69952.
HSAZP83	7424	780400	1 - 496	15 - 510	AA018350.
HSAZP65	7425	747422	1 - 333	15 - 347	R34942.
HSAZI64	7426	746074	1 - 505	15 - 519	N49506.
HSAZI53	7427	727757	1 - 325	15 - 339	T84311, T83011, T85193, and T90202.
HSAZG52	7428	726195	1 - 470	15 - 484	H03394, and H04091.
HSAZG23	7429	950023	1 - 453	15 - 467	T96724, AA701886, T96613, AL133245, and AL121653.
HSAZA42	7430	866817	1 - 315	15 - 329	AC002430, AC007384, AL031311, AC007686, AC003070, AC002470, AL031651, AC005280, AL133448, AP000045, Z95114, AC005358, and AC004815.
HSAZA39	7431	705365	1 - 504	15 - 518	AA082591, AC002542, and AC005495.
HSAZA06	7432	935451	1 - 351	15 - 365	
HSAYT37	7433	708803	1 - 408	15 - 422	H50833.
HSAYT29	7434	866821	1 - 732	15 - 746	AA501933.
HSAYR63	7435	744333	1 - 414	15 - 428	R98708.
HSAYO42	7436	713793	1 - 457	15 - 471	R21904, R81864, and H04638.
HSAYK93	7437	791546	1 - 680	15 - 694	AA033946, AI655064, AA678527, AA033996, T89763, AA748095, AA554593, AW075801, AA033945, R85174, AI222713, AA873521, and AC004924.
HSAXS16	7438	661933	1 - 391	15 - 405	II79295.
HSAXM08	7439	866838	1 - 785	15 - 799	AA706495, AI187148, T57767, AA565911, AA723299, AA808861, AI361866, AA503298,

					AA775205, AI921765, AA812684, AF001549, AC005736, AC005081, AC004797, U62293, U63721, AP000505, AP000501, AC004990, AC005488, Y14768, AC005730, AC007637, AC005057, AC004991, AC006441, AL031311, AC006064, AC005529, AC006505, AC005261, AC007193, AC002301, AC004253, U95740, Z95115, AL049759, AC005562, AL096701, AL034420, AL049843, AL034379, Z85987, AC007993, AC004655, AF030876, AL031228, AL109865, AC005486, AF190465, AL031291, U91321, AC002558, AC006509, AF196969, AL022316, AL122020, AF031078, AC002544, AC004084, AC005082, Z84466, AC004383, AC002115, AF196779, AC002400, AC005821, AL031295, AC002316, AC006965, AL096791, AC006014, AC005288, AL031602, AL021154, AC007707, AC002350, AL133448, AF000555, AL035415, AC006241, AL033527, U62317, AC005015, AC006430, AC005740, U07562, M63796, AC006077, AC005071, AL034549, AC006312, Z84484, AC000025, AC007327, AC003684, AL020995, AC006487, AC006948, AF038458, Z99716, AC005527, AC005049, AC016027, AC006011, AL049766, AC004805, AJ003147, U91326, AL022326, AC004417, AL080243, AL132777, Z83822, AC005484, AC004841, AL031276, AC004491, U91318, AC006211, AF111167, AC004876, AC004263, AL049539, AP000692, U47924, AC005067, AC004099, AC007226, AC004983, AC006480, AC000003, AC005696, AC003108, AC016025, AC005911, AL050348, AC004859, AC004067, AC003006, AC004223, AC003010, AL133500, AC005971, AC004167, AC005632, AC016830, AC004616, AC007216, AC006236, AL135744, AC010205, U91323, AL008627, AP000694, Z97353, AL132712, AL031587, Z83844, AC007277, AC006597, AL049697, AC002369, AL023807, AL109758, AC004815, AC009247, AL035400, AC005764, AC006468, AL021394, AL009181, AC005089, AC004967, AC009516, AC006101, U80017, AC006088, AC005274, AC006538, AC002395, AL133355, AC004819, AC004675, Z97054, AC000159, AC005722, AC002091, AC002310, AL031848, AC004033, AC002477, AL049757, AC011456, AC005031, AL050318, AC006115, AC012330, AC004031, AC004534, AC004150, AC005011, AL035681, Z99570, AC005295, AC003109, AL133353, AP000088, Z98036, AC005899, AC004975, AC004821, AC007055, AC005332, AC007731, AB023049, AC005482, AC005500, AP000031, AC005072, AC004834, AC005280, AC004020, AF109907, AC007227, AL022476, AC007263, AP000696, AC002425, AF088219, Z83826, AL049872, AL096767, AL021917, AL035450, AC002314, and AC002070.
HSAXJ95	7440	721825	1 - 547	15 - 561	H23534, AA649201, AA972098, AA743722, AW292515, and AA884319.
HSAXJ93	7441	792516	1 - 440	15 - 454	W31014, and W27097.
HSAXI05	7442	932387	1 - 492	15 - 506	N50573, AL983229, AW149904, AC012627, and AC004004.
HSAXH85	7443	784475	1 - 200	15 - 214	N72959.
HSAXG45	7444	457077	1 - 357	15 - 371	N48850.
HSAXE42	7445	714040	1 - 358	15 - 372	H23933, AL111184, and H46840.
HSAXE33	7446	702673	1 - 413	15 - 427	H53383.
HSAXC55	7447	732368	1 - 470	15 - 484	N71589.

HSAXB89	7448	787069	1 - 210	15 - 224	AI440512, AA001386, and AC008038.
HSAWY92	7449	792888	1 - 649	15 - 663	T85565, W88924, W89181, AL047407, and T85566.
HSAWY81	7450	574184	1 - 432	15 - 446	F30650, AI251429, AA995373, AA664126, H51835, H29914, AA553409, AA456149, AA643784, AA482928, T06210, AW270385, AI750125, AI283938, AA633424, AA230155, AA584765, AW238495, T03900, AW131417, AW341978, AI628859, AA577824, AA833828, AW103406, AI366555, AA458534, H93152, AA180857, AA147521, AA229935, AA808998, AA659832, AW008184, AA443727, AI251024, N27753, AF111168, U07562, AC005520, AC005971, AC007565, AC003042, AC005512, AL109627, AC007546, AC002369, AL049697, AL049766, AC004263, AC005803, AL008718, AL020997, AL031230, AL022313, Z84487, AL133382, AC005377, AL109758, AC004242, U73168, AL020993, AB003151, AC003982, AL121748, AC002554, AC002365, AC004099, AL031005, AL049874, AC004821, AC005666, AL022726, AL049872, AC005480, AC002549, AC005102, AP000501, AP000255, Z99716, AC005300, AC005632, AC012085, AP000688, AC005746, AC005355, U96629, Z85986, AC005081, AC003070, AL096791, AC000025, AL008719, AC002350, AC005037, AC016830, AL049869, AC003109, AC006441, AL133243, AL109963, AC005696, Z77852, AC002091, AC004929, AC006312, AL050348, AC005920, AC005375, AP000213, AC002565, AL035072, AC003098, AC004859, AC004000, AL049830, AC006057, Z98304, AC002558, AP000135, AC002094, AF134726, AL021707, AC004770, AC004895, AL031680, AC009336, AC005258, AL121825, AC007536, AL033392, AF047825, AC006120, AP001052, AC005088, U91326, AL021393, AC007216, AP000499, AC002544, AC004019, AC004228, AJ003147, AC016025, AC007666, AC004678, AC004520, Z95152, AL135744, AC007785, U02051, AC007510, AP000031, AC005332, AC011311, AC005887, AL133371, AC005899, AC007731, AC004551, Z83840, AL008726, AC005500, AC005231, AL121652, AC002425, Z93783, AL049776, AL049843, AP000547, AL008582, U82828, Z98742, AL031281, U95742, U63721, AL109657, AC004049, AL050341, AC005291, AC004253, AL034418, AC006480, AC016027, AC004814, AC007066, AC002301, AL049760, AC006333, AL022165, AC006011, AP000553, AC005189, AL049757, AC004583, Z98950, AC000379, AC004167, AC003010, AC006111, AC006006, AC003043, AC005736, AC009516, Z84469, AC006121, AL050307, AL096703, AC003104, AF139813, AL133448, AL133163, AC004098, AC006241, AC009247, AC005237, AB026898, AC004655, Y14768, AF109907, AC005031, AL031118, AC004764, AC004602, AC010170, AL021977, AC005488, AL035071, AC005527, AC003108, AF196970, AL021391, AC006014, AL109952, AC008015, Z86090, AC007773, AC005070, AP000505, AC012384, AF031078, AL031432, AP000557, AC008372, AC002316, AC006285, AF030876, AC004491, AC004509, AR036572, U91328, AL022334, AL133445, Z97054, AC005013, AC005048, AC002312, AC005328, Z83847, U91323, U80017, X69907, AC006449, AL118516, AC005280, AP000133, U91327, AL049795, AC007537, AC005363, AP000211, AC007845, AL021546, AL022101, AC005837, AP000692, AP000121, and AC006313.

HSAWY79	7451	574182	1 - 356	15 - 370	AA214655, AC004815, AC004975, AC007388, AC004491, and AC004991.
HSAWY33	7452	866861	1 - 451	15 - 465	AI038990, AL135377, AI754544, AL120008, AA633892, AL043217, C14967, R73754, AA584482, H45136, AA773302, AL120004, AA484145, AC006121, AC005512, AC005924, AP000513, AC002544, AL031311, AC005200, AC005015, AC004841, AC005081, Z98950, AC006468, AL035079, Z79997, U91326, AC005793, AL122020, AC005071, AP000356, AL022318, AC002115, AC007055, AL009179, Z93930, AC003071, AC007201, AL133246, AC005291, AC005913, AC004755, AF001548, AL078611, AL009181, AC007226, AF053356, AC005520, AC004771, AL096791, AF134726, Z98751, AL021918, AC005355, AL135744, AL022238, AL021707, AC005944, AF111169, AL096712, AL031680, AC005006, AL008718, AC004084, AF001549, AC005529, AL031597, AC005755, AC004531, U07563, AL031589, AC002310, AC006449, AC004228, AP000692, AC004922, AL022165, AC005527, AP000553, AL121603, AC003101, AF196971, AC005667, AC005412, AF207550, Z98742, AC005004, AC005280, AL031291, AP000348, AC005932, AC005257, AC005484, AC002984, AP000503, AC004475, AL049694, AC007314, AC005057, AC005839, Z83840, AC005837, AC000379, AC005207, AC004031, AC004000, AL096701, AC003029, AC006064, AC007421, AC007676, AP000045, AC004143, AC005736, AC004878, AL033521, Z82208, AL024507, AC004805, AC004966, U95742, AC004033, AC005233, U96629, U91323, AC006480, AC007057, AL109952, AC006930, AC004167, AC007686, AC005193, U52111, AL246003, AD000092, Z98946, AC005619, AC005567, AC002347, AP000030, AP000260, AC004797, AC005049, U91325, AF111168, Z84721, U62293, AC002550, AL022322, AC020663, Z98048, AC005940, AC006071, AC004854, AL008582, AC004707, AC007842, AL009183, AC002369, AL035422, AC005225, AJ011930, AC007666, AC004851, AL034420, AC005511, AL049776, Z83843, AL031282, AC002091, AC016027, AC004526, AC004034, AC007216, AP000248, AC005231, AC002312, AC006132, AC009509, AC016830, AC005695, AC002395, AC002316, AC003665, AL021154, AL050308, AC004991, AP000074, AC005632, AC005899, AF129756, AC007546, AF196972, AC005803, AC004079, AC004491, AL031591, AL031685, AC005756, Z98750, AL049697, AC004686, AL109980, AC005391, Z93241, AC008040, AF165926, AC018633, Z99716, AC005519, AC003070, U85195, L78833, Z93017, AC003663, AC005482, AC009247, AL133448, AC004834, AP000555, Z94056, AC012384, AL022237, AC007263, AL031587, AC005668, AC005730, AL049760, AL121655, AC004638, AL021155, AP000099, AC005786, AC004099, AC004816, AC004770, AC006088, AL049780, AC005180, AL034548, AC007845, AL135783, AC006023, AC004409, AC005089, AC005332, AC004659, AL022476, AC016025, AC005701, Z97876, AC004257, AL049757, AP000275, and AP000113.
HSAWW74	7454	765818	1 - 117	15 - 131	R18910, AA758341, AA861341, AA923385, AI066599, AA393305, AA626371, AI803008, and AF199339.
HSAWU12	7455	968804	1 - 464	15 - 478	N55482.

HSAWS74	7456	765819	1 - 541	15 - 555	AA180526, AI937121, AI566831, and AW451269.
HSAWS40	7457	711441	1 - 386	15 - 400	T72682.
HSAWR08	7458	959943	1 - 584	15 - 598	AA725543, AA770210, AA700020, AW206059, AI672358, AA916774, AA699619, AA827289, AW273123, N59203, AI024492, AI032726, AA693821, AI240892, AA767810, AA291268, AA524731, AA765847, AI208858, AI032993, AI049580, AI375573, AI684175, AI188629, W42659, AA993418, AI334247, AI524794, AI215039, AA287974, AA782458, AI824282, AW362905, AA426229, AI796476, AI500031, AA525966, AW021687, AA730421, AA262040, AI613496, R60802, AA769274, AW383419, H18939, AA291339, AI701999, AI797031, AA908871, AA480957, AA235431, AA370678, AA504437, AA626831, AA659009, H51642, H50988, AA664580, W45184, AA203299, AA259009, AA504201, AA778342, AA746717, AA327714, and AL110271.
HSAWO08	7459	959938	1 - 531	15 - 545	AA665641, AI370010, and AA620852.
HSAWL77	7460	772444	1 - 611	15 - 625	H38048, H47680, R89374, T96702, T96595, and AC003663.
HSAWL68	7461	753569	1 - 441	15 - 455	W19521, and H30845.
HSAWK67	7462	526767	1 - 348	15 - 362	AI027141, AI833186, AI885553, AW362249, AA775877, AA586887, AI870575, AC002558, AC007934, Z80774, AI109963, AI034423, AI109801, AI035454, AI133353, AC006361, AC009516, AF045555, AI049794, AC005081, AC006241, and AC004848.
HSAWK32	7463	418690	1 - 293	15 - 307	
HSAWK21	7464	954897	1 - 408	15 - 422	
HSAWK20	7465	866872	1 - 419	15 - 433	
HSAWI13	7466	971727	1 - 635	15 - 649	AA098930, AI018279, and AC007036.
HSAWI11	7467	964949	1 - 333	15 - 347	R36512.
HSAWG44	7468	716820	1 - 560	15 - 574	H56598, H56599, and AA528438.
HSAWF86	7469	675220	1 - 249	15 - 263	H71860, AA091228, and AC000015.
HSAWFS2	7470	728598	1 - 326	15 - 340	H85407, and AI373600.
HSAWD34	7471	706928	1 - 459	15 - 473	N39811.
HSAWD24	7472	677435	1 - 222	15 - 236	R02372, AI130993, AA573647, and AI375038.
HSAWD15	7473	660572	1 - 490	15 - 504	H08501, Z41986, and AC008039.
HSAWC55	7474	866890	1 - 725	15 - 739	T61478, AA487542, U07000, AI121934, AC004966, AC003035, AL023580, AP000550, AC002051, AC008018, AI031432, AI022400, AC007664, AC007298, AC007325, AC004814, AC003043, AL031674, AC007324, AP000552, U50871, AC009288, AC012330, Z98941, AL049712, AL121825, AL024509, AP000694, AL022171, AC007708, AL079342, AC006948, AC004659, AC007981, AP000247, AC005841, AL031291, AC005477, AL021391, AC004491, AL110122, AC004765, AC009399, and AC005697.
HSAWB70	7475	757409	1 - 156	15 - 170	R01017, AA043219, AI920902, AA283874, AA833856, AA833870, and H66742.
HSAVZ82	7476	881166	1 - 362	15 - 376	H73704.

HSADVZ63	7477	574195	1 - 360	15 - 374	AA158018.
HSADV10	7478	968230	1 - 285	15 - 299	AI267820, AA838103, AI267216, AI267490, and AC005856.
HSADV02	7479	920721	1 - 409	15 - 423	T78806, and AL049631.
HSAVX22	7480	674919	1 - 290	15 - 304	H71423, and H71422.
HSADVW13	7481	862754	1 - 344	15 - 358	H57122, and T49775.
HSADV36	7482	866886	1 - 512	15 - 526	H30216.
HSAVS48	7483	721856	1 - 279	15 - 293	AA192605, AW014772, AI698074, AW243066, AI697110, AA677245, AA614646, AW205594, AI270685, AI830046, AA588738, AI476751, AA862842, T91778, AA906049, AA622890, A66648, and AL109983.
HSADVQ73	7484	929276	1 - 681	15 - 695	R10034.
HSAVP56	7485	733616	1 - 355	15 - 369	AA639443, and AP001052.
HSAVO05	7486	932379	1 - 253	15 - 267	N70411, and R97430.
HSAVN72	7487	574129	1 - 483	15 - 497	
HSAVN48	7488	526305	1 - 253	15 - 267	AW021399, AW020094, AI224583, AI610012, AI609984, AA568311, AA425283, AA669238, AA601376, AI609974, AA535558, AI439525, AI754257, AA174108, AI345566, AA525818, AA601333, AW177869, AW265006, AI803771, AA565338, AA551519, H71678, AA533660, AL119691, AA085106, AI433952, AI079553, AI952885, AI909130, AI040313, AI910609, AA568303, R43331, AI832782, AI431232, AL048267, AA493464, AI572680, AA423864, AA831714, X62355, AL136295, AC004802, AL008716, Z81367, AL096703, Z96511, AL121603, AC007421, AP000116, L78810, AL109627, AC006455, AC009516, AC005018, AL049694, AC006211, AC006449, AP000553, AC004812, AC002558, AC000353, U47924, AC006071, AL034420, Z93241, AC005779, AC005015, AC006277, AL096701, AC005740, AC004973, AC004134, AL022316, AC007364, AC004098, AC006581, AL035422, AL035400, AC005387, AL096801, AL050341, AC004686, AC006077, AC003899, AC004921, AC005180, AC006011, AC002045, AL133448, AC010077, AC004703, AC006312, AC005006, AC006141, Z95115, AF030876, AC005755, AC008014, AC005954, Z86090, AP000472, AL031255, AP000125, AC004813, AC005921, Z97053, AL080243, AL035086, AC002316, AF207550, AC011311, AL031673, AC004447, Z81364, AL096791, AC002519, AC006480, AL135744, AC005231, AC006512, AL031657, AC007055, AP000504, AL035423, AC005856, AL031587, AC005225, AL139054, AF031076, AC004897, AF031078, AP000248, AC007191, AC005695, AC005291, U78027, AC005736, AL031281, AC005971, AL034430, AC004685, AP000556, AB001523, AC008115, AL008719, Z83844, AC006511, AC007934, AL021878, AC004648, AC007450, AL035681, AC004859, AC004526, AL078477, AF129756, AC009510, AC006241, AL031315, AC007919, Z82198, AC005668, AC006530, AC005726, L78833, AC004448, AL117338, AC007225, AC005253, AC005785, AC004650, U24498, AC005846, AC004878, AP000696, AC004848, Z84476, AL096766, AC002470, U73634, AC015853, AC005365, AC003029, AC004033, AC002301, L39891, AC003042, AC007283, AL022318, AC005701, U89336,

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HSAVN24	7489	574106	1 - 265	15 - 279	
HSAVK84	7490	783183	1 - 476	15 - 490	AI023999, T89881, AI719157, and Z83309.
HSAVI84	7491	783182	1 - 440	15 - 454	AA626210, AA678261, AI458275, T86534, H96885, H61936, AI247794, W87937, T78644, and AI217194.
HSAVI53	7492	728361	1 - 209	15 - 223	T39682, AA905799, AA730277, AW136642, T40726, and AA806155.
HSAVCG96	7493	796544	1 - 365	15 - 379	I188813, and AC005876.
HSAVEI7	7494	664515	1 - 340	15 - 354	H80433, AA744622, AI688897, and AA834656.
HSAVE61	7495	742076	1 - 446	15 - 460	T89135.
HSAVA79	7496	781800	1 - 282	15 - 296	AA039815, AA091607, and AL035410.
HSAVA22	7497	674977	1 - 288	15 - 302	T97088, and AA639076.
HSAUZ11	7498	967609	1 - 357	15 - 371	AA262765, and AL031005.
HSAUW24	7499	679279	1 - 525	15 - 539	H59291.
HSAUU25	7500	679278	1 - 875	15 - 889	N63710, W86619, AA400277, W90271, N99081, AI078221, W86692, AA148985, AA148984, AA401317, and H90568.
HSAUQ81	7501	866192	1 - 435	15 - 449	F35097, AA773098, AA644090, T47138, AW023111, AA584862, AW410409, AA574077, AA225406, AI921765, AW272294, AW328331, AA904211, AA425924, W96277, AW028376, AI635028, AA740559, AI755202, AI066646, AI275742, AI801505, AI249365, AW084100, AI445934, AI923451, AL046416, AA773463, AI144081, AW302711, AA513851, AI889426, AI439525, AA828637, AI923458, AA427636, AI133727, AI587467, AL045077, AA570255, AA761714, AW301906, AW103406, AA020873, AA683052, AI955029, AA524616, H63660, AA847395, AI243789, AI921744, AI356440, AI523074, AA568747, AI627917, N57681, AC007226, AF159056, AC007308, AC006270, AF196969, Z85986, AP000692, AL136295, AC006530, AC005184, AP000553, AL049780, AC005726, AR036572, U91328, AL031368, AL035659, AL050307, Z95115, AC005972, AL133243, AL121655, U91321, AC004526, AL133289, AL031284, AC005914, AL049636, AC009509, U47924, AC005971, AC003982,

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HSAUQ54	7502	730928	1 - 402	15 - 416	H49169.
HSAUQ44	7503	716847	1 - 342	15 - 356	R23067, and AC004752.
HSAUL84	7504	908440	1 - 356	15 - 370	AL267359, and M77994.
HSAUK72	7505	766240	1 - 267	15 - 281	AA179392.
HSAUK48	7506	883205	1 - 400	15 - 414	N40665, AW404068, AA461610, AA429180, W25197, AA306808, AA329256, AA304978, H95186, AA338381, and AW405457.
HSAUI23	7507	422961	1 - 719	15 - 733	AW139651, AW134619, T77738, and AA668754.
HSAUH06	7508	954543	1 - 413	15 - 427	AA485628.
HSAUH02	7509	917314	1 - 324	15 - 338	AA774114, AA001307, U51281, and AC001228.
HSAUG74	7510	765859	1 - 563	15 - 577	AW300097, N33037, AW293539, and W57798.

HSAUD02	7511	920827	1 - 446	15 - 460	N70288.
HSAUB69	7512	514840	1 - 650	15 - 664	AA077777, AA354695, AI357976, AI090334, AC019014, AC006204, AI251973, AC005940, AI050331, AI009172, Z98304, AC007207, AC005911, AC006042, AI023574, AC004832, AI022067, AI022726, AC005611, AC003684, AI050317, AC007172, AI132777, AI049839, AC000056, AC005354, Z83838, AI121658, AI109984, AP000140, AC003098, AI034420, AI049869, AP000088, Z97876, AI021391, AF001549, AC005740, AC012384, Z82206, AI035587, AC005091, AC002040, AC005067, AC004386, AI035684, AI246003, AI023799, AP000036, AI135744, AF207550, AF015416, AC005399, AC000353, AC005304, AI133163, AI109939, AC006538, AI049611, AP000553, AI049843, AI031311, AC006057, AC006101, AC005215, U89335, AI078624, AI078593, AI020997, AC006160, AC005844, AC005243, and Z97055.
HSAUB39	7513	705677	1 - 400	15 - 414	T96309, AA526387, AI804853, AI818557, and AA935065.
HSAUT281	7514	778268	1 - 348	15 - 362	H83787, H80779, AI741246, AI261722, AF017104, and AC016831.
HSATY22	7515	674986	1 - 389	15 - 403	AA906177, W93403, AA889552, AA889547, AA757340, AI478954, AA906247, AI380565, and AI018570.
HSATW91	7516	790394	1 - 328	15 - 342	T98737.
HSATW51	7517	725879	1 - 538	15 - 552	H99808.
HSATV96	7518	843424	1 - 757	15 - 771	T91873, T84748, AI122618, AA535216, AI884383, AI078638, AP000356, AC005881, AP000128, AP000206, AP000245, AC005225, AC006213, AC004834, AC004216, AC005386, Z68870, AI031602, AI049635, AC004685, AC006449, AC004832, AI022318, AC005233, AC005200, AC005088, AC004967, AC008038, AI031707, AC006205, AC004067, Y07848, AC002492, AC002546, AC002470, Z85986, AF030453, AC004913, AI049776, AI033375, Z95114, AC006285, AC005971, AC006597, AD001502, AC005920, AC000353, and Z98047.
HSATS25	7519	866949	1 - 748	15 - 762	AA504782, AA884955, AA486877, AC004212, AB023050, AP000512, and AF124523.
HSATQ55	7520	732406	1 - 467	15 - 481	R01471, AA191495, AW272663, AA112291, and AC003969.
HSATM64	7521	862436	1 - 1029	15 - 1043	AA074625, AA010341, N79094, N81127, AA010342, AI275020, N62337, AI039035, AA082546, AI632888, AI472260, AI472195, AI003958, W73513, AA234358, AA025769, AA905994, AA977248, AA948588, AA954472, W68348, AI143305, AA922107, AA452878, AI127716, W72476, AI094277, AI589630, W69905, AI216500, AW340339, AI088782, AW055110, AI127337, AI338418, AA722405, AI568823, AI200456, AI659289, AI371712, AI204689, AI243708, AW027897, AI017294, AA993504, AI249161, AW182660, AI351592, AW138347, AI971471, AI1189735, AA548686, AI306414, AI420134, AI240611, AA026541, AA595328, C00837, AA041253, AI918959, W68440, AA973316, AA905618, AA877132, AI167501, AI161103, AA905960, AI190826, AA885421, W73344, AA025957, AA341160, F22309, AA460691, W76192, N57271, AA453048, AA779639, and AI873146.
HSATM19	7522	866954	1 - 434	15 - 448	H83017.
HSATM09	7523	456326	1 - 337	15 - 351	T94905, and AF017104.

HSATL02	7524	920825	1 - 488	15 - 502	AA468269, AA468298, and AA468196.
HSAT158	7525	866955	1 - 499	15 - 513	AI335653, AW302011, and AW271091.
HSATE53	7526	728414	1 - 436	15 - 450	191431, H80874, H53035, and AI909894.
HSATC79	7527	602167	1 - 859	15 - 873	N23278, AI278972, AA679625, AW157731, AI871954, AA410788, AA744018, AW023111, AI251429, AA228778, AI439393, AA715173, AA715075, AI798407, AI066646, AI206841, AI340151, AA535216, AA115863, AA449997, AI189682, AA558404, AA501867, AA602906, AA598892, AI955029, AI923052, AA176604, F30158, AI207424, AI678867, AA644090, AA714011, AI431513, AI357628, AA572983, AA693366, AI564582, N26201, AI061313, AI755202, AI572680, AI471476, AI753488, AI884383, AI587583, AI587565, AA070899, AA491767, AA613624, C06046, AA084609, AI826761, AA622801, AA129746, AI216990, T57767, AI969090, AI744830, AA909816, AW022934, AI356440, AA719433, AW341978, AI249365, AI186438, AL047349, AI355007, AW304536, AA148656, AA610433, AA904137, AA630535, AW104788, T57096, AA837000, AW148792, H93628, F29968, AW243884, AA225226, AI799569, AI925869, L47234, Z95114, AC004253, AL033527, AL031319, AP000045, AC004149, AC004967, AC007388, AF205588, AC004904, AL117337, X60459, AL031683, Z69917, AP000300, AC004019, AF129756, AC000039, AL121820, AC004232, AP000113, AC005527, AC004895, AC007917, AC003982, AC005690, U85195, AP000555, AC006512, AC005529, AC005330, AI246003, Z92546, AL008637, AC002563, AE000658, Z98884, Z84480, AL121652, AF053356, AC002059, AC003108, AC000025, AP000353, AF196779, AL022316, AL031846, D84394, AL049643, AC004134, AF134726, AC003025, AC006511, AC005484, AL080243, AC005859, AF139813, AP000152, AL133289, AC005183, AC004802, AL035668, AC004148, AC006312, I34294, U07562, AC010849, AC007533, AL021393, AC004228, Z81364, AC005081, AL031311, AC004996, AC005041, AC005015, AC005821, AC005856, L78810, AC007845, AC006449, AC020663, AC007688, AL049869, AL080317, AL024498, AC016026, AC005730, AL023575, AL050321, AC008394, AP000074, AC005911, U91321, AB020864, AC004694, AC004408, AC003007, AC006125, AC005088, AC004231, AL096773, AL133371, AC005971, AL031650, AL049776, AL023803, AC005531, AP000502, AL035072, AC005207, AC006079, AF047825, AP000692, AC002477, AL031230, AC004631, AC005280, AC005071, AL031295, AC004805, AF190465, AC005784, AC007421, AC000072, AC005409, AC005551, AC005632, AC002425, AC006121, D88270, AC004447, Z93930, U89337, AL078603, L77569, AD001527, Z94056, AL122020, AC004491, AC002301, AC005839, U72787, AC006227, AL022330, AL022238, AC004760, AL034429, AC005697, AL024507, AL031228, Z82976, AC004750, AC005043, AB014077, AC004685, AC005598, Z84466, AC004647, Y10196, AC006275, AC004031, AC004851, AC004598, AC005924, AL035587, AL133246, AL096791, AC007536, AL031680, AC009509, AC003002, AC004150, AC004032, AL021453, Z97876, AL049758, AC006473, AC005095, AL096701, Z95331, AP000193, AL117354, AC005874, AF134471, AF064726, AL022396, AC005156, AL121852, AC004517, AL034420, AC004209,

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HSATC72	7528	761511	1 - 424	15 - 438	AA036730, AW021633, AL866854, and AA122279.
HPSAD92	7529	790524	1 - 419	15 - 433	R05270, AW044641, AL167940, AW057522, AA371645, and AL035652.
HPSAB26	7530	429558	1 - 324	15 - 338	AA371620, AA371621, AL160117, AL268959, AA827231, AW263864, AA507169, AL037910, AL347810, AL673731, AL889923, AW408063, AA878149, AA526193, AL859834, AL150670, AL431434, AL433247, F32171, AL360514, AA127486, AA814510, AA437416, F17700, AL859946, AL049831, AW028908, H05073, AA557486, T17269, AL908093, AA857381, AA136122, AW327624, AL979005, AL120976, T40799, R92640, AA553448, AL343143, H62778, AA148656, AA830594, AA508873, T32050, AL216054, AL538812, AA528480, W23546, T05769, AA122223, AL538540, AA492313, AL582890, AA663966, AL251111, AW029576, AL252506, AA845659, T40612, AL569982, AL276298, AA297538, C14692, AL343113, AL623899, AW062724, AA279919, H55878, AA827978, AA515224, AW193493, AA702618, AA501614, AA837646, AL832865, AL244254, AA916022, H57826, AA487542, AA769606, AA533408, N39097, AL079734, AL783911, AA347927, AW079809, AL821881, AL079129, AA720732, AL821918, AA716755, AL865213, AL473849, AA223249, AC005261, AL031846, AL008721, AC008498, AL033504, AP000502, AC006511, AL134726, AL080243, AC005180, AC004019, U91326, AC004841, AC006077, AL022326, AC004033, AL031767, AL031255, Z99291, U95740, AC005393, AC004967, AC005332, AL022318, AL133246, AL031733, AC002543, AL033392, AC005837, Z85986, AL049766, AC002073, AC002544, AC004675, AC007876, AL031650, AC007055, AL022353, Z98036, AC002036, AC006445, AC005951, AC005102, AF088219, AC006023, AC005154, L32588, AL022163, U51560, U73638, AC005406, AC006538, AB016897, AF091512, AL133448, AF001550, Z80896, AC002425, AC006322, AC005057, AL031685, AL031274, AC002549, AC006016, AP000356, AC007546, AC006571, AC005878, AC005088, AF064861, AC002119, AC007565, AC005358, AC000052, D32202, AC009464, AL109623, AC004453, U62293, AC002418, AL022165, Z85987, AL110503, AC004996, AP000302, AC006127, AL049872, AP000503, AL034549, AC005399, AF117829, AC007240, AC004386, AC005071, AC005037, AC005484, AB023051, AC006236, AC004878, AC006316, AC002045, AL049554, AL049641, AC007387, AC006013, AL035455, AC005082, AC002316, AL021706, AC004477, AC006398, AC002094, AC005740, AP000114, AP000046, AC007686, AL109829, AL035587, AC005197, AC003043, AC004659, AC005095, AF104670, AC005899, AC005551, AC005988, AC007934, AL035684, Z99716, L29766, AC002350, AC005004, AF188679, Z83846, AF107885,

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HPSAB24	7531	518747	1 - 411	15 - 425	AA371616, AA371617, AA626748, AW167330, AA468956, H07953, T74524, AW271069, AA501867, AL250552, AL284543, AA570740, AA483606, AW264901, AL251284, AL251034, AL251203, AA053463, AW408767, AA113126, AW303098, AL254770, W03333, AA568204, AL249853, AC006211, AL035587, AC002476, AC005488, AC005015, AL132712, AC005619, AF001550, AC002310, AC007774, AC005722, AC005940, AC002350, AC002303, AC004491, AE000658, AP000113, AC004216, AL109759, AL031295, AC006511, AC006509, AC005071, AL022316, AC005081, AL049759, AC005519, AL121658, AP000299, U85195, AC004148, AC004878, AC004966, AC007055, Z83846, AF134726, AL031662, AP000553, AP000695, AL133448, AC003010, AC006014, AC004973, AL133245, AL022312, AC006088, AC002375, U95742, AL136295, AC005736, AC006126, AC004453, AL030996, AP000696, AC006441, AC006006, AC003982, AL023807, AC005324, AC004905, AC007371, AL109628, AC005291, AL031848, AC005529, AL050307, U91318, AC007536, AC005516, AB023049, AC005899, AC004000, AC007308, AC004099, AC004883, AC006387, AC007216, AL049653, AC004990, AC005527, AP000692, AL033527, AL021154, AL031588, AC005920, AP000045, AF003626, AF205588, AF053356, AC004876, AC005971, AC006449, AC005037, AC004024, AL109984, AF111168, AC005856, AC004797, AP000501, AC006115, AL009181, Z95114, Z97055, AL049646, AC007030, AF001549, AC006011, AC007938, AC002425, AP000552, AC009516, AF045555, AF001548, AL021579, Z98304, AF129756, AL109627, AC006285, AC005231, AL022302, AL022326, AL035249, AL049794, AC003684, AC006064, AC007151, AC005482, AC005011, AL035659, AC003036, AC005377, AC004832, AC004815, AP000512, AL133246, AL022327, AC000353, AF196969, AC002470, AC006001, AC009509, AL133445, AC004985, U47924, AC005280, AC005962, AP000350, AC007011, AC004791, AC002480, AC007842, AL031276, AC004448, AC002126, AF001552, AC016025, AC005796, Z84480, AL096791,

HPSAB15	7532	503600	1 - 405	15 - 419	AC006077, AP000038, AC004025, AC007981, Z99716, AL096712, AL022334, and AL139054, AA371610, R08528, R05340, and AC003070.
HPSAA94	7533	793000	1 - 480	15 - 494	AA371578, AA371577, AL380617, AA515048, AA176978, AA654874, AC009516, AL031681, AC006388, AC005049, AC007216, AF001549, AC004966, AC005225, U82828, AL031432, AC006333, AL023803, AC005778, AL049843, AL031427, AC005874, AF134471, AL133245, AF053356, AP000557, AL022336, AL035587, U52112, AC007225, AC004685, AL031295, AL034548, AC007371, AC005821, AC005971, AC004167, AC006511, AC005822, AC006449, AC007546, AL135744, AC005081, AF111169, AC006141, AC005102, AC004854, AC005562, AC006006, AC005529, AC004000, AC004953, AF111168, AC006480, AC004883, AC005409, AL022326, AL050307, AL022238, AF205588, AL109627, AF030453, AC000004, AC005694, U91321, U85195, AC005088, AC004983, AC006597, AF207550, AC006080, AC004253, AC004950, U91323, AC005089, AL022476, AC003982, AC006061, Z93023, AL133382, AC005399, AC004687, AE000658, Z83845, U47924, AC004084, AC005796, AC020663, Z68756, AC006057, AC006312, AL023575, AC006040, AF038458, AC006211, AC000085, AC005920, AC002470, AC007387, AL031680, AL008582, AC002302, AC005670, AC002996, AL034582, AL022165, Z99289, AL078638, AC005280, AL096791, and AC002425.
HPSAA93	7534	867387	1 - 603	15 - 617	AA371576, AA371575, T80831, N63149, AW088557, AW300749, R96650, AA665304, AL433131, AL537222, AL362442, AA809635, N71033, AL251576, AW297815, AL306232, AA833896, AA833875, AL049653, Z98304, AC005921, AP001052, AL080242, AC002425, AC005722, AC007283, AC007690, AC004659, Z95114, AC005529, AC004983, AP000692, AC005386, Z93024, AC003669, AC005821, AP000355, AL031281, AC004841, AC005351, AC004099, AL022316, AC005632, AC007406, AP000039, AC005261, AC006449, AC004216, AP000280, AL133448, AP000555, AC002483, AC005015, Z83844, AP00107, AL022326, AC002477, AF051976, AL109984, AL049829, AC004993, AC004106, AL049709, AC005280, AF109907, U91328, AC004707, AC004985, AP000356, AR036572, AL049776, AC005037, AC002352, AL021579, Z99495, AC002350, AF111168, AC006101, AC005726, AC003042, AC004703, AL050332, AC005088, AC002395, Z93023, AC004865, AC002045, AC005102, AC003108, AL049856, AC004020, AB015355, AP000065, AL022302, AL009181, U62317, AF001549, AC002533, AL033392, Z95115, Z83840, AL021977, AC005527, AC006023, AL049694, AL031289, U91318, AL049867, AC008040, AC007687, AC008101, AC007371, AC005839, AL079342, AC005695, AL034420, Z98048, X64467, AC000025, AC004526, AC005004, AC007630, AC005670, AC005914, AC002984, AD001527, AL035079, AC005215, AC005520, AL022313, AC005620, AC006121, AC004832, AF134726, Z99716, AC005740, AC004408, AC006057, L78833, AL133353, AC005874, AF134471, AP000152, AL031659, and AC007073.
HPSAA91	7535	503543	1 - 263	15 - 277	AA371574, and AA371573.
HPSAA75	7536	503544	1 - 303	15 - 317	R16798, AL247531, AL638195, AL209197, AA978119, AA371428, and AA551295.

HPSAA41	7537	503569	1 - 428	15 - 442	AA371564, and AA371563.
HPSAA30	7538	503567	1 - 454	15 - 468	AA749134, AA766711, AA824619, AA371550, and AA371549.
HPSAA03	7539	960941	1 - 547	15 - 561	AA371507, AA834650, AA371508, AA362349, AL021579, AL080243, AL049776, AF165926, AP000030, AC005071, AP000552, AC004797, Z83847, AC006101, AC005821, AC005921, AC005562, AL034420, AC007536, AC005551, AC006236, AL031311, AC005015, AL121658, AC007546, Z93023, AC004876, AC002126, AP000045, AC005089, AL031431, AC005899, AL049766, AC005519, AC004841, AC008018, Z95152, Z97054, AC004491, AP000113, AC004966, AL050307, AC004913, AC005829, AC005696, AL121652, AC006449, AL022476, AP000557, AC009516, AF053356, AL022238, AC002477, AC005902, AC000111, AC005231, AC009247, AC004084, L78833, AF111167, AC006965, U91318, AC004020, AF109907, Z98885, AC005529, AL049697, AP000689, AC007371, AC006511, AC004671, AL109967, AC005064, AF196969, Z98051, AL024498, AC005225, AC006255, AC006050, AL031005, AL049760, AC006121, AC005412, AC005057, AP000704, AC002551, AC005620, AF001549, AC002470, AF207550, AC003029, AC007878, AC004125, AL035086, AC002350, AC002312, AF031078, AC003982, AC004882, AC005086, AC004895, AF030876, AC008372, AC000353, AC002492, AC005837, AP000345, AL009181, AL035417, AC007151, AC006006, AC007308, AP001053, AC004858, and AC002352.
HNNTA24	7540	911178	1 - 1654	15 - 1668	AL037632, AL110760, AA524604, AL044340, AA287618, AL038990, AL138265, AF034176, AA708751, AL135377, AL866487, AW188427, AA311156, AA680243, AL963221, AL042905, AL042906, AA601355, AL135698, AA984258, AL047602, AA742815, AA608741, AA481760, AL745133, AA487068, AL119123, AL732120, AA584482, AW243793, AA223932, AA658844, AL119331, AA608612, AL102235, AA524821, AW151713, AL654588, AA487475, AW069819, AW079809, AW102811, AL1310464, AL679294, AW405593, AL951863, AA608588, AL679871, AW328050, AL041706, AL457389, AA211734, U51704, AA133505, AW172908, AL046746, AL952885, AA665449, AA493641, AW080062, AL653525, AA126635, AL160144, AL016704, AA133332, AL694178, AA634991, AA113272, AW008089, AA534064, AL165337, AA224525, AA130647, AA643454, AA643457, AL954192, AL696793, AW277171, AW130036, AA838140, AL340641, AL499134, AA904211, AL583978, AW089861, AA046906, AA808796, AL433104, AA640277, AA157876, AA643452, AL801141, AA845659, AA456937, AW089625, AL913324, AL633490, AA577824, AL132963, AA632281, AA504898, AA513422, AL821881, AL821918, W96277, AW079792, N66012, AA206044, AA297145, AW129686, AL445934, N80210, N76766, AA584862, AF196779, AC004099, AC006241, AC005531, AC005412, AF207550, AC005808, Z99716, AC004033, AL049869, AP000356, AP000556, AC005519, AL049776, AC005901, U95742, AC005071, AC006441, AC004805, U95740, AC005484, AC007216, AL024498, AL022165, AC005399, AC004084, AC007630, AC006079, AC002544, AF053356, Z93244, AC002492, AP000049, AC009247, AC005562, AC007386, AL117258, AL035420, AP000311, AC005829, AC007225, AF000658, AC007011, AC004263, AL133399, Z93023, AC008372,

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HNHPF67	7541	859817	1 - 461	15 - 475	<p>T97754, D80212, D80439, D59619, D80210, D80240, D80157, D81030, C14389, D80219, D80268, D80166, D80045, AA305409, D80022, D80248, D80133, D59859, D59502, D51423, D51799, D80253, D80188, D80247, D81026, C14331, C14014, D80195, D51060, D80366, D58283, D59927, D80391, D80164, D51759, D59787, D59467, D59275, D80038, D80043, AA514186, D80227, C15076, D80193, D59610, D57483, D59653, D80196, D80269, D59889, D51022, D50979, D80522, D80024, D50995, C75259, AA305578, D80378, D80302, AA514188, D80241, D80251, AW360811, D51103, AW177440, T03269, C14429, AW178893, C06015, D59373, AW377671, AW375405, C05695, T48593, D80064, D45260, AW178906, AW366296, AW360844, AW360817, AW179328, C03092, AW375406, AW378534, H67854, AW179332, AW377672, AW179023, AW178905, AW177731, AW378528, AW178762, AW179019, AW378532, H67866, AW177501, AW177511, D51221, AW179020, AW377676, AA809122.</p>

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HNHPD68	7542	974350	1 - 483	15 - 497	

					Z99755, AF188025, AL035246, AC000377, AE000659, AC003986, AC002452, AC011198, Z50860, AC006291, AL035555, AB019437, AC003693, AC006206, AL121838, Z70688, AC006971, Z80107, AL031885, AL050322, Z95126, Z95126, AL132994, AC004998, AC004959, AL049565, AJ006343, Z81001, AC008125, AL031903, AC005188, AC007450, AC002429, U80459, Z82204, AC007514, Z92543, AL121782, AL096827, AC007970, AC003003, AC006963, Z82198, AP000519, Z82216, AC004041, AC002122, Z81007, Z76735, AC004240, AJ006345, AC006070, AL137191, AB020860, AF042091, and AL022329.
HNHOX01	7543	915303	1 - 186	15 - 200	AL035091.
HNHOV24	7544	974344	1 - 528	15 - 542	AA632511.
HNHOQ36	7545	859824	1 - 460	15 - 474	AI192564, AI053778, N73203, AA077619, AI018726, N57709, N73060, AA757621, R83708, AI362442, H01852, T60940, AI078143, H37821, AA525331, AI473549, AI128439, AA774098, AA301899, AA584445, AA297776, AI017733, AW373645, AI246061, AA501617, AA569157, H63066, AA904211, AA321595, AI054090, AL138252, F36200, AA516192, AI249853, AA862029, AI284543, AI273675, AI254770, AA653713, W23432, AI251944, AI251034, AI251203, AI268564, AI251284, AW276933, AI085095, AI250552, T03928, AW102930, AA588353, AI138918, AI471597, AW084004, AA741020, AA832016, AI275982, AI371804, T69022, AA557984, AW247089, AI289050, AI284092, H57324, AW192518, AI003988, AL037777, AA728911, AA715508, AA831801, AI949319, H25626, AW152172, AI963408, AA449979, AA225548, AA633565, W63553, AI679759, AA610351, N55041, AA564256, AL036070, AW243808, N50710, AW080772, F17537, AL079894, R25708, AA525949, AI679045, AA975915, AA664248, AI679294, F25348, AA182629, AI052611, AW248498, AI431303, C14599, AA598608, AA682536, AI432851, AI537931, AI459866, AA135988, F33126, F25640, AI798242, C14880, AA814719, AA468494, AW089054, AA449460, AA226346, AI251741, T08386, AA679173, AI613285, AI223626, AA348859, AA219542, AA362791, AL042869, AA776548, AA115655, AW303098, AI889579, AA653291, F32248, AA857812, AA832152, AA084679, AW168699, AW248724, AA846014, AA132929, AW167909, AI917891, AF043251, AF050154, AC005494, AC002057, AF207550, AP000337, AC005233, AP000215, AL022336, AC001228, L13712, AL133445, Z83844, AP000321, AF024534, AL109963, AC002126, AP000121, AP000167, AP000052, U82671, AL022238, AC004500, AL096710, U80017, AC005899, X51956, AC002994, AC006512, AC004098, Z95118, AC006530, AC007058, S77605, U91324, AP000008, AP000704, AC004967, AC002430, AC007384, AC008064, AP000555, AC005328, AC002369, AC005589, AL021368, AC004462, AC006388, AL109852, L77570, AF196970, AC004817, AL132712, AC004686, AL117258, AC007664, AL021707, AL022724, M57627, U16720, AL109802, AC004034, AC004234, AC003692, AL109956, AL031428, AL022327, AC004997, AL031005, AL050338, AC005587, AC006318, AC005585, AC010205, AP000501, AC007277, AC007686, L29074, AC006430, AC005736, U72845, AB014540, AF008915, AF135025, AC005190, Z49154, AL050404, AC004186, AC003047, AC006132,

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H:INHOP92	7546	790911	1 - 720	15 - 734	AA176629, AA515744, and Z83851.
H:INHOP88	7547	974327	1 - 523	15 - 537	
H:INHOP32	7548	974330	1 - 502	15 - 516	AA515610, AJ230815, AA330576, AA353402, AA578326, AA169232, AW192471, AA584241, AI379710, AA481147, AA480974, AI832832, AA493464, AI917658, AI433952, AA427747, AA167178, N27362, AW148964, AI049999, AW169183, AA209438, AI453476, AA995373, AI869406, AA594164, T57562, AA848131, AI696455, N76712, AA570037, F37050, AA879022, AA167656, AA916556, AA348889, AI061203, AA573067, T05143, AA084320, AA132929, AA225645, AA218684, AI679082, H65404, AA525879, AW243817, AA632621, AA600127, T54552, F36482, N26159, AI216981, AI801563, AI171400, AA977385, AW338376, AA861184, AI732327, AI890297, AI860648, AI925617, AI879968, AA436940, AI890091, AA280198, AW074332, AA513565, R80053, N86047, T77378, AI038577, AA564253, AI952574, AI204310, AA362439, AI719985, AA528507, AI271693, AA713720, AA425283, AA584360, AI434103, AA829505, AI907506, AI610082, T26553, AI126238, AA381948, AI572680, AA661583, AA774398, L48866, AI354369, AI016434, AW021674, AW006527, AA687565, AA553389, AA749062, AA640104, AA338436, N49298, AA099785, AW243808, AI086229, AA088900, AI952885, AW273177, AA303002, AW080062, AW273235, AA099801, AA629107, AL042731, AA523719, AI223242, AA524604, AL079682, AW162314, AW162332, F05050, AA347203, N76093, H68017, AI560063, C15279, AI672515, AI967976, AI754926, AA362670, AA854222, R16061, AA115769, AW406180, AI800189, AI955861, AA527391, AA313066, AA634882, AI818921, T03774, AC004477, Z99716, AC005412, AF165142, AC006544, AC009247.

HNHO163	7549	838790	1 - 849	15 - 863	<p>AC000159, AL096761, AL080243, AC004000, AC005280, AB025285, AF053356, AC005776, AC002312, Z93017, AC003029, AL133371, AC005005, AL109952, U89337, AC005262, AL031680, AC005082, AP000547, AP000359, AC004858, Z98200, AC018769, AL078639, AL049776, AC006285, AL133246, AC002310, AC007676, AC004254, AL109758, AC005899, AL096775, AL096701, AL117338, AC005406, Z93241, AL035455, AF109907, U80459, AC002316, AC004967, AC007066, Z93928, AC005562, AC004905, AC005104, AC009516, AC005519, AC006251, AL035460, AC004771, AP000014, AL049643, AP000501, AC008101, AC007546, Z97876, AC008079, AL024498, AC002472, AC005884, AF088219, AL096703, U91326, AC002350, AC005041, AC007277, AC004814, AP000700, AC004256, AC004090, AC003982, AC005666, AL020997, AL021069, Z84466, AC005971, U52112, Z83840, AL078474, AC005839, AC004821, AC007238, AC007283, AC006501, AC006388, Z83823, AC007227, AC002425, AC000120, AP000563, AC005730, AL035588, AC006942, AC002470, AL049576, AL035252, AP000350, AC005102, AC005790, AC003963, AC004938, AL049869, AC005011, AC002531, AC020663, AC005600, AL033392, AC004605, AC006013, AP000133, AP000211, AL008710, AL078581, AC010582, AL031281, AL021453, AC006946, AC005190, AC002461, AL049871, Z97352, AP000251, AC005231, AC007226, AF111169, AC003962, AR036572, U91328, AL133245, AC003101, AL031678, AL031729, Z98742, AC002418, AP000557, Z83822, AC003667, AC004150, AC002550, AB023051, AC002404, AC004816, AL034349, AL021407, AL024474, AP000240, Z93930, AL078621, AL135744, AL049757, AP000008, AC007199, AL021393, AL049856, AL109627, AC002039, AC012099, Z99297, AC007240, AC004076, AC006166, AC005754, AC002457, AC004386, AC004034, AC000111, AC005065, AC005703, AP000030, AP000212, AP000134, AP000704, AC005067, AP000962, AL035690, AC002544, AC002040, Z98048, AC005821, AC002553, AC003992, AC008085, AC003956, AC004383, and AL109963.</p> <p>AA648110, AL046409, AL042753, AI334443, AI284640, AW303196, AI963720, AL138455, AW301350, AW274349, AW419262, AW410400, AI679782, AI431303, AW327868, AL037683, AW193265, AW338086, AA649642, AI281881, AI053672, AI270117, AI350211, AI613280, F36273, AI305766, AW162049, AI929531, AI110770, AI061334, AI358571, AI471481, AA652764, AA587604, AI962050, AI133164, AI345654, AI298710, AI473943, AW438643, AI339850, AI341664, AI375710, AA177061, AI289067, AI619997, AW276827, AL038785, AA526787, AL044940, AL042853, AI688846, AW193432, AA713815, AI064864, AA490183, AI457397, AW270270, AL042420, AW276435, AL119984, AI732865, AI567674, AA507547, AI341548, AW166815, AI499134, AL046205, AW021583, AI754658, AA178953, AA192740, AW073470, AW104748, AI537955, AI049722, AI917271, AI085719, AI345518, AI281697, AL120687, AI434695, AI821271, AI918421, AI745325, AI379719, AI251002, AW408717, W79504, AI799642, AI340453, AA631507, AW406162, AI744995, AW261871, AI148277, AI890923, AA947360, AA492166, AW023672, AA523815, AI564185, AI017024, AW339568,</p>
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HNH0107	7550	952285	1 - 551	15 - 565		AA209360, and Z85994.
HNH0F94	7551	948720	1 - 772	15 - 786		AW407632, AL687343, AA678950, AL284640, AW193265, AL046409, AL613280, AL270117, AL305766, AL350211, AL963720, AL431303, AL610159, AL754653, AA828704, AW276827, AL14735, AL334443, F29989, AW303196, AL251034, AL250552, AL284543, AA491814, AW103758, AL375710, AL345418, AW301554, AL245693, AW301350, AL251284, AW274349, AA502860, AL345654, AW327868, AL251203, AA469451, AL688846, AL890348, AL223626, AL619997, AW193432, AL144101, AW302013, AL499938, AW438643, AW303098, AL341664, AA806796, AL061334, AL254770, AL826761, AL358343, AW303176, AA847499, AL289067, AW088202, AW406162, AL471481, AW268973, R17793, AL613389, AL041690, AL754955, T74524, AL633390, AA503283, AL601229, AL570261, AW419262, AL049634, AA578861, AA743968, AL037683, AW088846, AW340905, AL246409, AW408767, AL537800, AA630925, AL053672, AW276435, AA682912, AL085719, AL044940, AL355007, AA811741, AL298710, AA719524, AL830390, AL119691, AA502963, AL708009, AA745326, AA570740, AA483606, AA623002, AA713891, AW023111, AL889781, AL281697, AA577906, AL744995, AA581903, AA568204, AA635433, AA720702, AA503284, AA503258, AL344844, AL199816, AL345681, AL754658, AL345675, AL434706, AA225246, AL251241, AL589230, AA584752, AW339533, AA490183, AA904211, AL955323, AL860013, AL334464, AW407578, AL344812, AL048925, AA084609, AA812139, AW008317, AA492166, AL042420, AA594145, AA758934, AW276817, AL34695, AC016026, U57008, AL031123, AL021393, AC005200, M37551, AC005520, U18394, D83989, AC007999, AF015147, U57009, U18395, AC005488, AC006241, AL023656, AP000117, AC002455, U57005, AC004152, AC004814, AL031121, U18391, AP001172, AC002470, AC008008, AF015157, AL022322, AL031680, AC004650, AC005913, AC006213, AC005291, X55925, AC007676, AL049795, AL034549, U18392, U57006, AF077058, AC006251, U18393, AL049766, AC000003, AF015156, AC002430, AB023049, AC005280, X54176, AC005288, AC005535, AC004675, AC006430, AL008629, AC005231, AC005914, D84394, U18387, AL035587, AC007384, AC004263, U18398, AC004929, AF088219, AC000396, AL049557, AP000193, AC005046, AL121653, AL008716, U57007, AC003983, AC016025, AC005900, AC003074, AC006019, AL031729, AL121603, X55926, X54181, AC007541, X54180, AP001054, I51997, AC004234, X75335, U18399, X55931, X53550, AL109801, AL033543, Z98742, D87675,

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HNHNT20	7552	773683	1 - 265	15 - 279	T63118, AW137918, AW003112, AL1968073, AL134462, AA514255, AC003007, and AC005632.
HNHNQ08	7553	958377	1 - 422	15 - 436	H70153, and AC006071.
HNHNTP81	7554	928378	1 - 604	15 - 618	D51060, C14014, D58283, AA305409, D80253, D80024, D80166, D59619, D80210, D80240, D80366, AA514186, C14389, D80043, D81030, D80133, D80247, D59859, D80212, D51799, D80164, D80219, D51423, D80022, D80391, D59787, D80195, D80188, D80248, C14331, D59502, D59467, D57483, D59275, D59610, D80227, D81026, D50995, D80196, D80439, D80251, D80269, D59889, D51022, D50979, D80268, D80522, C15076, D59927, AA305578, D80038, D80193, D80045, D80241, AA514188, AW360811, D80378, AW177440, D80302, C05695, C14429, AW178893, AW377671, AW375405, D80157, T03269, C75259, AW178906, AW179328, AW366296, AW360844, AW360817, D59373, AW375406, D51103, AW378534, AW179332, AW377672, AW179023, AW178905, D51759, AW360841, AW378532, D58253, AW177731, AW177501, AW177511, D80132, D80134, AW352171, AW377676, AW352170, AW178907, AW378528, AW178762, AW179019, AW179024, D51250, AW176467, AW178983, AW177505, D81111, D59653, AW179020, AW178775, AW367967, AW369651, AW178909, T48593, AW177456, AW179329, AW178980, AW178914, AW177733, AW178908, AW178754, AW179018, C06015, AW352158, AW352117, D80949, AW178774, D59695, D52291, D45260, AW352120, D59627, D51079, AW179004, AW179012, AW378525, AW352163, F13647,

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HNHP66	7555	918684	1 - 324	15 - 338	
HNHN001	7556	915358	1 - 380	15 - 394	
HNHN039	7557	950971	1 - 385	15 - 399	
HNHNK02	7558	918715	1 - 499	15 - 513	
HNHN124	7559	859836	1 - 389	15 - 403	
HNHN109	7560	800482	1 - 517	15 - 531	AA814193, A1523747, A1699155, AA861334, Z38674, and AW129261. Z45490, AA381008, R99526, D59502, D80195, D80164, D80166, C15076, D80022, C14389, D81026, D80193, D59619, D80210, D80240, D80045, D80188, D59467, D59275, D80227, D81030, D80212, D80219, D58283, D59859, D80391, C14331, D59787, D51423, D51799, D80253, D80043, AA305578, D80269, D80038, D80196, D50979, D59927, AA514188, AA305409, D59610, D57483, D80378, D80366, D51022, D50995, D59889, D80024, D80439, D80133, AW360811, D80248, D80251, D80522, D51060, AW177440, D80241, AA514186, C14014, AW178893, D80247, D80302, AW375405, T03269, D80268, AW366296, AW177456, AW377671, AW179328, AW360817, AW377676, D51103, AW375406, AW378534, AW179332, AW377672, AW179023, AW178905, D80157, AW178762, D80132, AW378532, AW352171, C06015, AW352170, AW177731, AW178907, AW378528, AW179019, AW179024, D80168, D51759, D51250, AW178906, AW179020, AW178980, AW177733, AW178908, AW179018, D59695, AW177728, C03092, AW360651, T48593, D80134, D80949, D52291, D58253, AW178914, AW178774, AW378543, AW378525, D80258, D59503, D45260, A1525923, AA809122, AW178781, AW178911, AW378540, AW352163, H67854, H67866, AW360834, D59627, T03116, A1905856, AW367950, T11417, C14407, F13647, D59317, C14077, D80064,

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HNHNH51	7561	974343	1 - 324	15 - 338	AC003971.
HNHND85	7562	870121	1 - 943	15 - 957	AA071005, AA071202, AW073232, A1239470, A1699750, A1961252, and A1480252.
HNHND81	7563	974334	1 - 404	15 - 418	
HNHND07	7564	952273	1 - 411	15 - 425	H73026.
HNHNB92	7565	790945	1 - 395	15 - 409	AW452355, AA458631, and AW340986.
HNHNB85	7566	783887	1 - 446	15 - 460	H91962, AA203711, AW237711, A1566217, and AW378142.
HNHNB02	7567	918709	1 - 246	15 - 260	T70858.
HNHNMZ49	7568	859842	1 - 694	15 - 708	AA136727, AA683031, AA229218, A1471543, R45882, AA229121, A1567674, A1924251, AL041895, AA838140, A1033790, AL120269, A1051526, A1799545, H58149, T59285, AW406447, A1671077, AW131249, AW102955, AA469441, AW247819, A1907046, R08190, AL045053, Z33541, AA284179, AA563818, AA225634, AA076632, AA075754, AA344161, AA102235, A1740499, A1281401, AW086465, AA693450, A1859744, Z78385, A1284640, AW238733, H80899, AA196573, AA317170, A1205126, AA558697, H64560, A1749284, A1435507, AA340003, AW248523, AA362917, A1499094, AA586655, AW069807, AA165462, A1286356, AA601355, AW074398, AA663306, H86264, AL047602, AA059154, A1471481, H86301, AW103415, AW406162, F29989, AA483034, AW276435, AA441788, A1246541, AA299115, AA229188, W60516, AA669251, AA904218, AA916039, F36273, A1049722, F32705, AA350859, AW080134, F32395, AA654627, AA714595, AA098922, AA470985, A1251002, AA229785, H64777, A1435544, AA649642, AA652057, AL038785, A1282832, AW338869, AA605274, A1890923, AA587256, AW236342, A1350211, AA252763, AA021552, A1287964, AW419262, A1962050, A1053672, AA515435, AA831388, AA515051, A1289067, AA177061, AA557325, A1929531, AW264973, AA364456, A1688846, A1339850, AA176924, AL118947, AW193432, AW166815, AL120483, AL042753, A1371070, AW419118, A1334443, AW193265, AW162049, A1312149, AL043721, AW265197, A1341664, A1358343, A1110770, AA112299,

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HNHMY52	7569	975207	1 - 610	15 - 624
HNHMS26	7570	975206	1 - 437	15 - 451
				<p> AA410788, AL355246, AW275432, AL224619, AL1917132, AL859906, AL056177, H29914, AL190648, AW419389, AL1612802, F35684, AA599080, AA169245, AA315361, AL362442, R67701, AL754767, AL282479, AL312090, AA719564, AL312784, AW166611, AA228778, F30158, AC003041, Z99943, AC005913, AL096702, AC005940, AL031589, AC006252, AC010205, </p>

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HNHMQ86	7571	784986	1 - 413	15 - 427	AL208970, AL139280, AA136699, AA609668, AA812915, and AL020997.
HNHMQ28	7572	859847	1 - 385	15 - 399	R07682.
HNHMF02	7573	918649	1 - 295	15 - 309	AL1214402.
HNHLY58	7574	859849	1 - 557	15 - 571	AA601385, AA251682, AJ003636, AA679811, and AP000523.
HNHLW34	7575	859850	1 - 595	15 - 609	Z40220.
HNHLW10	7576	963542	1 - 413	15 - 427	AA680257.
HNHLR36	7577	859851	1 - 573	15 - 587	AA665071, AA826177, W85860, AL119541, W89152, AL538106, W67486, W67485, AL149238, AA976584, AL472070, AW071302, AA297443, R10107, AA525156, AC003108, AC006121, AC022517, AC002470, AL080243, AL031289, AL050308, AC003075, AC004196, AC004197, AC005523, Z83822, AC003687, AB003151, AP000688, U82695, AC009399, AC002530, AC003071, AC003663, Z97054, AF111168, AC005102, AC006323, AC002045, AB020803,

HNHLQ07	7578	952279	1 - 641	15 - 655	AL022394, AC005871, AC008372, AC006111, and AC007052.
HNHLG36	7579	855071	1 - 544	15 - 558	AA700856, W92080, W92074, and U47924.
					NG3437, A1042513, AA988159, N95744, A1241692, AW025809, A1341411, A1479298, A1827201, A1718988, AW298184, AA514475, A1078116, AA456139, AA954932, AW305231, A1734889, A1224855, A1093059, A1912915, A1690289, A1807586, AW082516, A1375429, A1857358, AA846245, A1125609, A1830516, N25902, A1469756, A1631154, A1394192, AA258738, A1951377, A1299480, AA150203, A1610824, A1434048, AA449685, H09775, A1799883, A1453490, AW337996, A1289435, AW440580, A1972947, A1289432, A1620722, A1863491, AA594584, AW167132, A1758979, AW264027, A1458169, A1672560, W93405, A1623819, A1814412, AA167742, AW014387, C03567, AA648408, T54772, AA209462, AA150039, A1890890, AA744971, A1952039, A1963445, A1869379, H24845, R62398, F21778, AA159073, AA081121, AA709203, A1383705, AA693450, and AB029022.
HNHLD70	7580	756668	1 - 402	15 - 416	AA199808.
HNHLC01	7581	915363	1 - 555	15 - 569	AA577871, AL078475, AP000025, AP000026, and AL050302.
HNHLB03	7582	923091	1 - 596	15 - 610	R87227, H51542, R44527, H39138, AW205403, A1970379, A1651385, A1038507, AA977060, AC006312, AC005630, and AC006328.
HNHKT86	7583	785104	1 - 366	15 - 380	R43189, AW297929, T26440, T26439, and T17457.
HNHKQ50	7584	723868	1 - 435	15 - 449	R94028, AA848093, R93984, and AA905345.
HNHKP03	7585	923276	1 - 706	15 - 720	AL023587, AA889354, AA846791, and AL022333.
HNHKI61	7586	859925	1 - 651	15 - 665	AA262089, N40358, Z99127, Z94721, AC005777, and AL031737.
HNHIS54	7587	730706	1 - 550	15 - 564	R55602, R11681, and AC004913.
HNHIR83	7588	781195	1 - 508	15 - 522	R15158.
HNHIC85	7589	784345	1 - 571	15 - 585	W95091, and H49177.
HNHIL58	7590	736064	1 - 488	15 - 502	AA088554.
HNHHG53	7591	830068	1 - 328	15 - 342	AA189067.
HNHHF86	7592	784698	1 - 371	15 - 385	
HNHHF61	7593	741836	1 - 307	15 - 321	
HNHHF52	7594	726576	1 - 343	15 - 357	A1189682, AA491767, W02419, AW407007, AW105463, AA747977, T51556, A1491765, AA199582, AA719433, A1762528, A1573009, AL041375, A1246996, A1445224, AW275432, AA714110, A1870453, AA558366, F00937, AA722336, H38769, AW304536, A1278972, C18779, AA225754, AA225392, T71936, AW088656, A1358557, AA219349, A1439525, AA458534, A1206841, AA745628, AA502532, A1445297, T90477, AA947369, AW028950, AW023111, H29914, T50676, H67064, F35684, A1608751, A1798493, AW105729, AL045476, AA584756, F30310, AL079734, A1445934, AA604843, AA613761, A1356440, A1623805, AA156323, R99034, AW272294, A1242614, AA515939, AA228979, H81346, AA229823, A1355103, AA708760, A1879951, AA302982, AA225406, AA018231, A1311779, A1635028, F23338, AA018923,

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HNHHF39	7595	705407	1 - 333	15 - 347	AA610822, AC006044, AL121852, and AC000004.
HNHHF38	7596	709278	1 - 308	15 - 322	AAU84070, F28776, AI610159, AI754955, AA654771, AA482711, R77905, AA501600, AW406162, AI921649, AA199692, N43757, AI355206, AI281881, AA127353, AA491814, AA559290, AI471481, AI200051, AI859742, AA826303, AA194761, AA886584, AI283911, F29989, AI061334, AW406755, AI537030, AW169537, AA604156, AI801600, F36273, AI802526.

AW193265, AW088058, AA364456, AI284640, AI160117, AA151528, AL046409, AA569187, C75026, AA394271, AW243960, AA284179, AI469624, AI350211, AL041412, AW072587, F35673, AI917271, AI291268, M86058, AI291124, AA177061, AW276827, AI471543, AI298710, AI431303, AI688846, AI279165, AW193432, AI148277, AA649642, AW162489, AW088202, AW270270, AI871722, AI653905, AI446638, AA074130, AI343695, H57810, AI538229, AI206785, AA642060, AA161181, AA515051, AA483731, AA587604, AA669416, AI344844, AA604899, AA744088, AA610491, AA744074, AA634238, AW148792, AI198376, AI119691, AW406447, AW162049, AA745355, F29702, AI341664, AI538433, AA828704, AI929531, AA703820, AI367975, AW419262, AI613280, AA126051, AA126035, AA338522, AW247819, AI754658, AI805016, AW167372, AA552856, AA350859, AW029038, AA349638, AI287651, AA581903, AW080134, AA837740, AW236342, T07451, AW079135, H88666, AI732120, AI567674, AI619997, AI192631, AW021583, T17016, AW079135, H88666, AI732120, AA528516, AA365302, N41375, AI801482, AI365988, F26152, AA614069, AA652057, AA348311, R91994, F09736, R98967, AA448858, AI633636, W00582, N52544, H86301, AI962050, AI303008, AI358343, AI133636, AI254615, AI672135, AA714453, AA613345, W79504, AI358571, AI044940, AI890923, AI252554, H56013, AW166815, AA515224, AI334443, N25296, AA720702, AA514737, AA630925, AW339568, AI144330, AI345654, AA601892, AI041368, AI624698, AI539563, AI339850, AW301350, AW303196, AI053672, AI963720, AA346454, AI625244, AW274349, W07122, AI889923, AW151884, AI904894, AI349850, AA664535, AI251002, AA535661, AI160582, F19012, F28308, AI355224, H86264, AA503258, AW407633, AI120687, AI357288, AA347927, AI110770, AA843450, AI273185, AA584145, AI134367, AI364020, AA745582, AW406659, AI312149, AW265385, AA469451, AW303876, W73048, AI653886, AA595782, F25135, AA490030, AA653772, AA713815, AI017024, M62272, AP001052, AC005775, AL031668, AI132800, AI022237, AC007243, AP000952, AC007528, AC007688, AF023268, AC005412, AC006538, U18396, AI022576, X55928, AL034402, AC006011, AC007392, AC005900, AF015150, AL049759, AP001046, AL133241, AC004593, AC009294, AL008728, AF077058, AC004671, AL022476, AC006116, AC003035, AP000885, AD000684, AC004987, AI133448, AP001068, AP001067, AC008033, U02054, AC005516, AC005295, AC004963, AC002472, AC006449, D85620, AC006539, AC004606, AC005081, AC006511, Z86090, AC005158, AJ011930, AP000555, Z98051, AC005069, AC005722, AP000351, AC006271, U50871, AC006556, AC007285, AI121694, Z83821, AF196969, AL020991, AL031848, AC005065, Z98950, AL096791, AC007878, AL033392, AC005154, AC006001, AC007919, AC006455, M37551, AL049760, AC005083, AC004167, AL096774, AL031734, AC006427, AC004799, AP000304, D83989, AC003688, AL031319, AP000128, AP000206, AC002430, I51997, AL049776, D84394, X75335, AC006285, AP000359, AC004773, AC005740, AC005383, AC004638, AC005229, AC007934, AC007384, AL031777, AP000245, AC006596, Z68192, AC004592, AL049696, AI008709, AC005002.

HNHHF37	7597	708714	1 - 350	15 - 364	AC005815, AC004953, U96629, AC004876, AL034548, AC006017, AC006050, AL034384, AC007051, AL121603, AC002350, AC002395, AB023052, AC000353, AC002429, AC004841, AC007001, U57007, AC007304, AC005332, Z83840, AL034555, AC004000, AC005666, AL031005, AC003664, AC006138, AL031662, AL109618, AL050332, AC007043, Z84718, AC005288, AC007239, AL021068, AL035552, AC005856, AC020663, AC009509, AC006946, AC005940, AL031228, AC005003, AC008064, AL035089, AL020995, AL050341, AC005209, AC006315, Z83846, Z84474, AL110292, AC007298, M87919, AL022323, AF039907, AC005484, AC005250, AL033525, AF001038, Z98742, AC005237, AC022517, AL021918, AC008173, AC006144, AC004854, AP000142, AP000090, D87675, AF111167, AL049872, AL049636, AC016025, AP000513, AL049779, AC004999, AC007682, Z68869, Z97184, AC003983, AC004808, AC006344, AC004931, AC009399, AL031054, AC005366, Z82215, AC007308, AC003101, U66059, AC006512, AC000060, AC008015, AC007313, AC002375, AC006195, AC006111, AC007066, AL049766, Y09781, AC005523, AL049758, Z97054, AL031650, AC003684, AC005057, AC007161, Z95114, AC004865, AL020996, AF111169, AC002565, AC007628, AC008101, AL008718, AC006277, AC005215, AL049647, AC007099, AL049557, AC005317, AC002094, AC006450, AC007666, AC005565, X54175, U18398, AC005535, U18393, AC004626, AC002400, AC008079, AL023575, AC005257, AL133399, AC004453, AL049610, and AL022327.
HNHHF38	7598	694365	1 - 331	15 - 345	H65022, and AA186889.
HNHHF13	7599	657245	1 - 124	15 - 138	AL035454.
HNHHF03	7600	924221	1 - 235	15 - 249	AA486925, AA188664, AA761430, AC005912, AC007563, AL109623, AL049843, AL034419, AL078477, AC006948, AD000864, AC000353, AC005562, Z81364, AC005632, AC004990, Z84469, AL022476, U91323, AL031005, AL031053, AC002288, AC003037, AC004601, AL049749, AC004514, AC005684, Z95116, and AC004832.
HNHHC61	7601	741839	1 - 359	15 - 373	AA459664, AA459676, and W38373.
HNHGX61	7602	948731	1 - 403	15 - 417	AA774118, AL1700830, AL023883, AC002301, and AC006504.
HNHGV62	7603	743400	1 - 390	15 - 404	AL284640, AL046205, AW327868, AL046409, AL048925, AA984708, AL101519, AW276827, AA828704, AL467919, AW021583, AL431303, F36273, AW193265, AW276817, AL1613280, AA523843, AL281881, AL357551, AA630925, AA521399, AL345654, AA521323, AL350211, AL270117, AL305766, AA758934, AW338500, AL801591, AL037683, AL379719, AL471572, AW419262, AL334443, AA621858, AL091495, AA669840, AL219406, AA528516, AW148792, AL246409, AW407632, AL375710, AL041690, AL471481, AW338086, AA713891, AA133333, AL133164, AA679672, AL619997, AL688846, AW438643, AL138455, AA490183, AL969436, AA654771, AW339568, AL110770, AW193432, AW270270, AA514819, AA493621, AL341664, AW238278, AA559290, AL499503, AL761471, AA587256, AL048626, AA938225, AA133406, AA491284, AL937850, AA977743, AL688928, AA569471, AL623898, AW157005, C75026,

A1798473, AL038474, AA631507, AA525190, AA457070, AW062724, A1859742, AW169397,
 AA780515, AA503473, AA533725, A1537955, AW302013, A1339440, AW008317, T40077,
 AW276435, A1148277, A1754253, A1499938, A1364809, AA682912, A1028510, A1732120,
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 A1499134, AA992126, AL039958, AW162489, A1692808, A1053672, A1472222, AA362573,
 AW090556, A1289067, AA577906, A1625647, AA834667, A1589461, A1287528, A1754658,
 A1683577, A1674873, AA316905, AA680243, AA368929, AW243960, A1469624, T06828,
 X76629, AF196969, AC000117, AC002468, AC004895, AF088219, Z81369, AL079295, M37551,
 AL049643, AF064861, AC004149, X54177, D83989, AF109907, AC005529, A1133245,
 AC005839, A1139054, Z98744, X54180, AC007382, AF077058, AC004491, AP000557,
 AC007387, AC005089, AL008718, AC007878, AP000556, AC006273, Z93020, AC006213,
 AP000552, AC005387, U02532, Z93241, AC006277, AC005516, AC003957, AB020858,
 AC006130, AF015151, Z22650, AC003960, AC006208, X55931, AP000506, AC018633, X75335,
 AP000301, AC004383, AC007738, AC002430, Z86061, AF015156, AC005755, AL022302,
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 U18391, AL121603, U57005, Z98051, A1133399, AC006948, AB000882, AC005829, U18392,
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 AP001053, AC005412, AC005066, AC007225, A1109980, AL023799, A1133448, AC002289,
 U57008, A1136297, AL049557, AC002316, AL035089, AL049776, AC006312, A117258,
 Z82210, AC007245, AC002549, U67221, AC002365, U66059, AC006195, AC003108, AC006059,
 AJ010598, Z82194, AP000031, AC002429, U18398, Z84487, AL049830, AC004626, AC022517,
 AL022163, AC005670, AC000091, AC016025, AL035688, AC003954, AF003627, AC005231,
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 AC002349, AF039906, AL009179, AC007363, AP000112, AB020859, AC016830, AL031273,
 AC006285, AC000025, AC004593, AC006251, A1133371, AC004963, X55924, A1031662, and
 AC004455.

HNHGU56	7604	859953	1 - 760	15 - 774	AA614095.
HNHGT92	7605	496480	1 - 387	15 - 401	
HNHGT84	7606	781977	1 - 393	15 - 407	AL037067, AL224583, AA595661, AA603400, AL049845, AL439525, AA489390, R42954, AL690379, AW250029, AW272294, AA810376, AA513851, AA225406, H24331, Z98946, AC000075, AP000502, AC007371, AC005664, AP000553, AL117258, Z97054, AL109623, AL135744, AC004686, AC009516, AF053356, AC006547, AF111168, AC004448, AC004929, AC005207, Z95113, AP000211, AP000133, AL031680, AF205588, AL031281, AC005158, AC015853, AC007676, AC000084, AC002115, Z95114, AC009247, AC006557, AP000039, AP000107, AC004134, AL034417, AL020995, AC004771, AL022238, AC004526, AL117339, AC006449, AC007055, AC004106, AC005696, AC007065, AB026899, AC005874, AF134471, AC005519, AC005663, AL034429, AC007066, AC005666, AC004019, AL022326, AC004967, U91321, AL117337, Z86061, AL008582, AC005516, AC005899, AL096794, AP000509, AL035400, AC005229, U62317, AP000557, AL133245, AP000500, AC016027, AL031985, AL132712, AC005261, AC004525, Z93023, AC004985, Z96074, AC005730, AC002126, D84394, AL031311, AC000120, AC005081, AC002472, AC003101, AC004821, AC004812, AC002401, AL031432, AP001054, AL033527, AC004673, U82668, AL049776, AF029308, AC007263, AP000511, AL034421, AC004921, AC005011, AC004231, AP000210, AP000132, Z93241, AP000345, AC002563, AC008038, AL031678, U91318, AC003006, AC016830, AC004477, Z98051, AL049869, AC005529, AC007151, AC005288, AP000359, AL050321, AL139054, AP000505, AC005746, AC002544, AC005189, AP000248, AL109963, Z85986, X87344, AC004079, AC006946, AL022336, AC002554, AC006468, AC005871, AC002470, AC004841, AL034423, D87675, AC004587, AC003043, AC007207, AC005911, AF109907, AC005412, AF165926, AC004236, AC005355, and AC007630.
HNHGT80	7607	775409	1 - 385	15 - 399	
HNHGT15	7608	660304	1 - 629	15 - 643	AA179041, and AA176902.
HNHGT09	7609	625615	1 - 337	15 - 351	AA342238, AL283938, F29968, AA610255, AA523695, AL869797, AA488551, AA584765, AL358712, AL932871, AA598605, AL962030, AA489483, AL280535, AA299721, AA903369, AL049538, AA578621, AA586433, AA568204, AA570740, AA483606, AA570441, AA772151, AA878492, T47138, AW008184, AA361513, AW302017, AA577824, AA384890, AW078909, AA280509, F30310, AL653776, AL493583, AL925665, AA525753, AA581471, AA507814, AA502532, AW082104, AA772016, AL078477, I34294, AC004386, Z84466, Y10196, U95743, AC004999, AL031643, AC002287, AC003109, AL035460, AL117338, AL022719, AP000466, AC008115, M87889, AL049643, AC007283, AC006965, AC002420, AL136295, AC006518, AC006509, AC005972, M29929, AL121653, AC008033, AL031622, AC018769, AC003684, AC004973, AC004025, U80017, AC006581, AL022316, AL023553, AL132800, U02047, AC007537, AC004081, AC004816, AC005399, AB023050, AC005879, AL034417, AL031668, AC000353, AC005304, AL117339, AC005376, AP000248, AC005227, AL110114, AC006016,

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HNHGS24	7610	677228	1 - 791	15 - 805	R12665, AL1762545, W88500, AL434243, AL689719, AW138454, W88987, R16402, D45650, and W89080.
HNHGO45	7611	582523	1 - 865	15 - 879	R97614, R91776, D81661, and AL034062.
HNHGN27	7612	859972	1 - 417	15 - 431	AA393618, and AA398697.
HNHGI60	7613	740396	1 - 476	15 - 490	AA017482, AA019002, AA019302, and R84777.
HNHGI03	7614	923829	1 - 439	15 - 453	AL079734, AA572813, H68343, AA579152, F16848, AA225890, AA838091, AL693979, AL446452, H38769, AA582746, F30650, AL734852, AL053784, AL459733, AL044701, AL280601, AL345497, T90477, AA229159, AA526643, AL078409, AL285705, AL041375, H47835, AA579130, AW242279, AA303049, AL282629, AA847585, AA342238, T17332, AL114557, AA873303, AA847047, AA558404, AA158549, AA715955, AA720582, AL762528, AA614010, AA452887, AA215470, AL587467, AL792464, T17135, AW162227, AL858148, AL609972, H53284, H54252, AA598736, AW338268, AA720774, AW272294, AA225406, AL880889, T07974, AA581247, AL870453, AL865776, AP000152, AC004983, AC005067, AC005539, AC007731, AC005500, AC006211, AC006130, AP000212, AP000134, AC006511, AC010205, AF053356, AL031577, AC004966, AL049569, AC004985, AC005409, AC004893, Z95114, AC007216, AL034420, U95740, AC004813, AC004033, AF111167, AC005049, AD001527, AC006449, AC002492,

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HNHGH83	7615	781208	1 - 391	15 - 405	AA199736, AL003359, and AP001062.
HNHGH22	7616	859983	1 - 432	15 - 446	H47804, and AC004968.
HNHGG39	7617	561093	1 - 315	15 - 329	T60696, AW246223, and AF113544.
HNHGF28	7618	686735	1 - 722	15 - 736	N35183.
HNHGE91	7619	790212	1 - 433	15 - 447	
HNHGE81	7620	777955	1 - 375	15 - 389	AW021741.
HNHGE79	7621	775214	1 - 303	15 - 317	R67701, A1431513, AL077941, AL270476, AA375133, AW302017, AC005081, AC004526, AL139054, AL109827, Y18000, AC003690, Z49866, AC002400, AC004882, AC000353, AP000240, AC006079, AL110215, AC002045, AC007292, M17262, AC004771, AL035587, Z81308, AC005529, AL008725, AL021154, AC005049, AC005578, AP000702, AC005015, AP000703, AC005377, AL049694, AL049759, AC007277, AL135960, AL131016, AL022165,

AL049869, U85195, AC008044, AC006211, AC004707, AL133445, AC004821, AC000085, AC006162, AE000658, U07000, AC005514, AC005067, AL121658, AC007283, AL135744, U91322, AL033527, AC005940, AC004150, Y14768, AL021878, AC006111, U80017, AC005193, AC005031, AL080243, Z98941, AC004517, AF134726, AB014588, AC005551, AL035455, AC005763, AL035420, AC005932, AC004874, AL049776, AC006251, AC005399, AC006277, AP000065, AC004491, Z49236, AC006538, AP000505, U95739, AC005971, AC005786, AL035681, AC006115, AC005625, AC002985, AL035684, U07561, AC005086, AC005274, AC004876, AL049757, AC002126, AC002470, AF196779, Z98946, AC005317, AC004019, AP000512, AJ011930, AC004921, AC002350, AC004985, AP001053, AC004890, Z82178, AC006061, AL031587, AL022336, AL109839, AC007227, Z93096, AC005088, AF148213, AL121653, AC005165, AL034420, AL020993, AL031291, AC005837, AP000248, AF165926, AC007686, AF196969, AC005822, AL117339, AL031289, AL049713, AP000216, AL050307, AC022517, AC006312, AL121756, AL050348, AC006275, Z82206, AC007207, AC000134, AC005512, AB023051, AL024498, and AC004382.					
HNHGE68	7622	753052	1 - 531	15 - 545	
HNHGE44	7623	683294	1 - 516	15 - 530	AA458759, AA457494, and AA679166.
HNHGE31	7624	698046	1 - 367	15 - 381	
HNHGE24	7625	677234	1 - 420	15 - 434	
HNHGE12	7626	970722	1 - 420	15 - 434	
HNHGD08	7627	959494	1 - 474	15 - 488	T54356.
HNHGC92	7628	792740	1 - 407	15 - 421	
HNHGC91	7629	790199	1 - 212	15 - 226	N64605, AC004902, and AF086089.
HNHGC45	7630	720747	1 - 403	15 - 417	D81926, H55330, AP000556, AP000557, and AC007308.
HNHGC32	7631	699286	1 - 413	15 - 427	Z32887, Z33559, T18597, A1526078, A1557864, D59751, D50992, A1535639, A1535660, A1536138, A1557262, A1541356, A1541205, A1525500, A1525556, A1557082, A1557533, A1540903, A1541365, AA058620, A1557809, C14228, H65400, A1525316, A1557084, A1557317, A1525302, A1557312, A1557731, A1541321, A1525852, A1536150, A1541353, A1525661, A1541075, A1557258, A1557602, A1525757, A1557474, A1557238, A1536070, A1557155, R29657, A1541450, A1546829, A1541034, A1557241, A1547177, A1540974, A1557154, A1535828, A1535813, A1557041, A1541346, A1541154, A1557408, A1541027, A1557039, A1535994, A1557810, A1541048, D30843, A1557543, A1541362, A62300, AR050070, A62298, A82595, A82593, U94592, Z30183, AF006072, U45328, and AR025466.
HNHGC71	7632	670949	1 - 411	15 - 425	T16036, AA339752, AA346514, F09736, AA341336, AA594746, AA641400, T07420, AA508026, AA361273, W30861, R01434, AA492140, A1265800, AA630773, AW129950, A1547110, C15093, AA669616, N27615, A1192839, AA551201, AA649722, F02342, AA316183, AA347170, AA078691, AA704643, AA325597, AA053551, AA320941, AA348504, H86097, AA886992, AA078537, T63030, AA363368, D19768, AA332204, H80306, N58674, AA357552, AA325787,

HNHGC20	7633	859991	1 - 413	15 - 427	N22533, AA129329, AA481050, AA283761, AL044438, AA132914, F05944, AA720691, AA307598, L29255, U95740, X02883, Y12508, L43392, AB015355, AB003151, AP000141, AP000088, AP000495, D83657, AC006432, Z46936, AJ009610, AP001060, AC005771, AC004841, AP000431, AP000302, AC004979, AP000046, AP000114, AC005060, AC007688, AF060568, U40401, L49046, M63796, AD000092, M22568, U67274, U20770, AJ246003, AC005566, D87675, Z83313, Z92844, U13056, X69951, AL021392, AF003528, AC006596, AP000510, AB023048, AL050337, Z68192, AB023052, AP000513, and AC005754.
HNHGC19	7634	668692	1 - 393	15 - 407	
HNHGC08	7635	962224	1 - 258	15 - 272	AL050403.
HNHGC07	7636	953414	1 - 424	15 - 438	
HNHGB12	7637	970726	1 - 663	15 - 677	AI493432, AI765576, AI083682, AI151327, AI138460, AI219026, and AA846762.
HNHGA53	7638	973803	1 - 521	15 - 535	AL0404060.
HNHGY68	7639	752305	1 - 519	15 - 533	AA223974.
HNHGY08	7640	959475	1 - 494	15 - 508	AA601442.
HNHFX10	7641	961275	1 - 309	15 - 323	
HNHFX08	7642	959484	1 - 403	15 - 417	AA224213.
HNHFX07	7643	953403	1 - 437	15 - 451	AI239477, and AW303399.
HNHFX49	7644	975415	1 - 754	15 - 768	AL135721, AI267283, AL039006, AL138332, AI654729, AA487851, AW089846, AA625090, AI922003, AA126794, AA167579, AA603182, AI889719, AW419399, AA830603, AA984199, AW189511, AI637571, AA112088, AA601406, AI695619, AA113978, AA169156, W90097, AI821127, AI821234, T63720, AA398565, AA457176, AI354337, AI821889, AI821871, AA469959, AA458716, AA683209, N76330, AA456920, AA640499, T90251, AI797528, AA121839, AA219168, AA600117, AA206539, AA658904, W37681, AL045624, AA643815, AI978961, AA873328, AA584119, AW407655, AI742894, AI000348, AA382693, AA242790, AA227585, AA577803, AA552879, AW302809, N85750, T48646, N49611, AA195197, AA309378, T59821, AA548549, AA577840, AA613153, AA664727, AA370642, AA357788, AA577773, AA829583, AA938094, T56714, T60735, AA282876, AA136977, D57535, AL119263, AA457748, D56416, AA594706, T59577, AA577825, AL119911, AA856868, T07755, AI453652, R76207, AA577875, AA211113, AA487304, AW188806, T05108, R88959, T63142, AA486808, AA309367, AA577743, AA205983, AI003198, AA370942, AA456204, AA352946, AA457322, AA174121, AA126847, AA179985, AA456979, AA661560, AA088273, AA487519, AA489899, T63021, AA456941, AA775943, AA319956, AA668372, AA772877, T20144, AA121840, AA308174, AA577765, AA504660, AI065066, AA584502, AA490015, AA557920, AA613193, AA372082, H47700, AA507553, AA343460, T06609, AA375449, AA593549, AI207604, AA330161, AA188838, AA299014, AA167621, AA169557, AA483220, AA180281, AA169228, AA594147, AA713895, AA983440, Z83841, AC004764, AC007392, AC006133, AC005326,

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HNHFV30	7645	566339	1 - 331	15 - 345	
HNHFU64	7646	937179	1 - 527	15 - 541	
HNHFU56	7647	733513	1 - 577	15 - 591	H49829, and W26793.
HNHFU12	7648	970882	1 - 429	15 - 443	AA122097, and AC004538.
HNHFR69	7649	757646	1 - 435	15 - 449	AA121914.
HNHFP94	7650	888666	1 - 295	15 - 309	
HNHFP89	7651	786967	1 - 390	15 - 404	AA002022, AW016693, AL400310, AL400321, AL242437, AL383077, and AC002112.

HNHFP03	7652	924606	1 - 520	15 - 534	AA278805.
HNHFM74	7653	506283	1 - 313	15 - 327	
HNHFM54	7654	486847	1 - 551	15 - 565	
HNHFL96	7655	576414	1 - 483	15 - 497	U91323.
HNHFL28	7656	973273	1 - 604	15 - 618	
HNHFLH24	7657	903741	1 - 467	15 - 481	D80212, D59619, D80210, D80240, D81030, D80166, D80219, D51423, D58283, D51799, D80253, D80195, D59859, D80193, D80188, D80391, D80227, D80022, D59927, D59889, D80196, D80045, D80269, D80043, D80038, D80366, C14429, D59275, D57483, D59502, D80134, D80024, D50979, D59610, C75259, D80378, T03269, D80268, C14014, D50995, F13647, D80241, C15076, D80949, D59787, D80164, C14389, D81026, D58253, C14331, D51250, D51060, AA305409, D51079, D59467, D80168, D81111, AW178893, C14227, AW177440, AA285331, D80522, Z21582, D51022, AW179328, D80064, A910186, AW178775, AW378532, D80248, D59695, AA305578, C14298, AW377671, AW369651, AW352158, D80251, A1905856, D52291, D51097, D80133, AW178762, AA514188, AW177501, AW177511, AA514186, AW360834, C05695, C14407, AW360811, D80439, AW352117, D80132, D80157, AW176467, AW378540, AW375405, D59373, D80014, AW179220, AW366296, AW360844, AW360817, T11417, AW375406, AW378534, AW179332, AW377672, AW179023, AW178905, AW377676, D80302, A1557751, AW352171, D51759, AW178906, AW352170, AW177731, D80247, AW178907, AW179019, AW179024, D51213, T02974, AW177505, AW179020, AW360841, AW178909, AW177456, AW352174, AW179329, AW178980, AW177733, AW378528, AW178908, AW178754, AW179018, T03116, AW179004, AW179012, AW178914, AW378525, AW367967, D51103, D58246, D80258, AW177722, AW177728, AW378539, D59653, AW179009, C06015, AW178774, AW178911, AW378543, AW352163, D59503, C14077, D58101, AW178983, AW352120, AW178781, T48593, D59627, A1557774, AW177723, D45260, AW177508, C14975, A1535850, AW378533, C03092, H67854, AW367950, AW177497, D80228, H67866, AA033512, AA809122, A1525917, A1525923, AW178986, D51221, AW177734, D59317, D45273, C14344, D59474, C14973, D50981, A1525920, AA514184, C14957, D60010, C14046, A1535686, A1525227, D59551, A1525235, D60214, A1525215, T03048, A1525912, A1535961, A1525242, AW378542, C05763, A1525925, A1525222, D51053, D31458, C16955, Z33452, A62298, A62300, A84916, A132110, X67155, A67220, A78862, D89785, A25909, D26022, D34614, AR018138, Y17188, D88547, AR025207, X82626, AR008278, AF058696, I82448, X68127, AR028859, AB012117, A85396, AR066482, Y12724, A85477, A44171, U87250, I19525, A86792, X93549, A82595, AR060385, A94995, AF135125, AB002449, AR008443, I50126, I50132, I50128, I50133, AR060138, AR066488, AR016514, A45456, A26615, AR052274, I14842, AR064240, AR066490, A43192, A43190, AR038669, Y09669, AR066487, I18367, A30438, D88507, AR054175, D50010, Y17187, A63261, AB033111, AR008277, AR008281, AR008408, AR062872, A70867, AR016691, AR016690, U46128, Z32749, A64136, A68321, D13509,

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HNHFH23	7658	675942	1 - 721	15 - 735	N31451, and N41451.
HNHFF79	7659	638126	1 - 267	15 - 281	AA136943, T02866, AA315673, AA179174, AA361929, AL120645, AA736954, AA834194, AA778965, AA577825, AA577864, AA668252, AA218852, AA983440, AA775329, AA486768, AA167544, AA603182, AA583392, AA582052, AA618459, AA662979, AA601625, AA188692, AA935394, AA584747, AA167492, AA180454, AA680277, AA834071, AA663367, AA663004, AA630430, AA713821, AA219034, AA206780, AA714486, AA584834, AA486097, AA504875, AA169233, AA773954, AA584435, T65750, AA489989, AA121767, AA577875, AA668151, AA464930, AA584534, AA451922, AL047233, T03057, A1538493, AA601406, AA167538, AA593497, AA169344, T59619, AA663003, AA720805, AA720777, AA489999, A1880288, AA668699, AA780751, AA490015, AA211180, AA679143, AA721049, AA457219, AA971198, AA775210, AA586654, A1267399, AA577803, AA601418, AA577840, AA490246, AA577765, AA593542, AA458672, T49955, T03259, AA613193, AA564831, AA594081, H85238, AA662985, AA169228, AA169557, AA668372, AA487519, AA457507, A1253435, T56669, T48647, AA581910, AA976274, AL043280, T55332, AA584907, AA179985, AA434080, AA188953, M78222, AA563828, AA485874, AA773127, AA490019, AA586665, AA121840, AA601628, AA983272, AA490032, AA489850, AA668327, AA180281, AA490054, T59685, AA584459, AA581901, AA458783, AA782269, AA584627, AL119618, T59877, AA594706, AA778953, AA515456, AA485341, AA456926, AA989133, AA722310, AA774071, AA774057, AA668161, AA307312, AA126847, AA456941, AA601412, N25053, AA714107, AA772877, AA169346, AA490183, AA169351, AA180465, AA584768, AA613153, T49316, AA169553, AA325093, AA594173, AA663091, AA780820, AA357787, AA456943, AA584466, AA827415, AA112323, AA112316, AA664023, AA180338, AA601464, AA594015, T90675, AA679325, T57694, A1460363, AA593549, AA457652, AA121876, AA174132, AA761025, N79938, AA582414, T39228, AA680290, AA663500, AA594147, AA683281, A1267828, T96260, AA458713, AW129720, AA136934, T02841, AA584502, AA584625, H92599, AA657923, AA581172, AA456979, AA219051, AA136926, AA780730, T61944, AA487603, AA594753, AA587520, AA780571, AA421028, AA668406, N23864, AA490110, M77951, H70919, AA487044, AW394251, T57385, T03243, AA174113, T94872, AA121875, T94346, AA602130, AA176467, T50445, AA663223, AA179813, T93559, AA668285, AA577921, AA581666, T63467, AA834066, AA577773, AA214189, AA715716, AA663376, AA188838, AA188613, AA176906, AA457548, AA218913, AA601402, AA715738, AA490150, T47178, T41239, AA668241, AA721000, T92774, AA668412, AA218670, AA720943, AL138058, AC007392, AC003686, AL133249, AC005326, AL135784, AL035397, AC005019, AC004610, AP000787, AL096817, AC004886, AL049828, AL117337, AC011198, AL049589, AC006962, AF011889, AC006989, AF036235, AL072353, Z69648, AF198097, AC002478, AL031122, AC006336, AL022171, AP000952, AC003086.

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HNHFF30	7660	692811	1 - 408	15 - 422	N55081.
HNHFE01	7661	916782	1 - 336	15 - 350	AA460407, AA459856, A1866714, A1024848, AW410737, T63986, U91321, AC002190, AC003003, AC006290, AL135879, and AL121790.
HNHFD68	7662	576448	1 - 310	15 - 324	
HNHFB21	7663	842707	1 - 111	15 - 125	
HNHEW83	7664	781217	1 - 571	15 - 585	T77842, A1818742, T86633, A1743761, and T86826.
HNHEW18	7665	666524	1 - 397	15 - 411	T86212, F15260, and AC005369.
HNHEU20	7666	668909	1 - 442	15 - 456	N39725, and N31375.
HNHEQ03	7667	535701	1 - 682	15 - 696	A1679782, AA659324, AA812058, AA601218, AL045077, N79258, AW021774, A1769271,

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HNHEP86	7668	490390	1 - 493	15 - 507	AC004217, AL049758, AL078593, AC005324, AC012627, AC004106, U91318, AC005696, Z68276, U91323, AL021453, Y18000, AC009464, AC002039, AC007676, AC006441, AC005585, and U91325.
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HNHEL72	7669	760706	1 - 321	15 - 335	AA174128.
HNHEL34	7670	706636	1 - 558	15 - 572	AA410476, R05546, R24833, AW402115, AA356328, AA279222, and AC006011.

HNHEL27	7671	506284	1 - 461	15 - 475	
HNHEK69	7672	757649	1 - 522	15 - 536	H10749, and Z99127.
HNHEJ78	7673	800165	1 - 303	15 - 317	
HNHEJ20	7674	669763	1 - 458	15 - 472	H06131.
HNHEI90	7675	888553	1 - 305	15 - 319	AL672925, AA639776, AL033376, Z93023, AL049576, AC006581, AC003101, AC005015, AC002302, Z97054, AL035419, AC002331, AC005089, AC012384, AC002430, AC007384, AC005094, and AF069291.
HNHEI37	7676	419752	1 - 286	15 - 300	AA262778.
HNHEH28	7677	973296	1 - 460	15 - 474	H55523, and AL022329.
HNHEG71	7678	760464	1 - 194	15 - 208	AA654661, AL345366, AL310873, AA167792, F00107, AL041894, AL926728, AL118991, AL253382, AA551552, AA504694, AL085242, AA584438, AA833896, AA833875, AA376760, AA579205, AA581170, H72530, AL908575, AW275498, T59724, AA586661, AA630145, M77893, AA224238, AL915205, AA594072, AA351003, AW328000, AA559329, AL050312, AC003037, AL121915, U52111, Z69720, AL049569, AF030453, AC007999, AL031283, AL035587, AL035398, AL031281, AC005067, AL034420, AC001231, AC005512, AL133245, Z97181, AC002316, AC002352, AC005520, AC005730, AC006571, AC004821, Z99716, AC004975, L47234, Z95116, AL022329, AP000349, AL021579, AC002300, AC003693, Z82206, AC004622, AL023879, AC004000, AL035685, AP000505, AC005940, AC007546, Z98048, AP000065, AL049766, AC005859, AC007774, AC007666, Y14768, AP000250, AC006285, AL079342, AJ006345, AC005071, AP000350, AC005225, L78833, AC005821, AL034429, AL049776, AC002404, AL121655, AC005288, AC007406, AP000261, AC004051, AF001552, AL078634, AF196969, AP000558, AC004659, AC005722, AC005088, AC005095, M89651, AC007686, AC002039, AC007845, AL035422, AC007541, AC016025, Z93241, AL022316, AL049646, AC006023, AC005695, Z94160, AL021707, Y10196, AC005516, AC004967, AP000240, AP000035, AP000100, Z84466, Z97630, AC004263, AC002398, AC007225, AF088219, AP000127, AP000205, AC007227, AC005183, AL023284, AL031594, AC005578, AL024498, AC009516, AP000030, AP000211, AP000133, AP000245, U85195, AC005632, AC005197, AL133448, AL008718, AC005971, AC006480, AC006449, AC004686, AC004129, AP000096, AP000555, Z98200, AC005952, AL049830, AB020866, AL049759, AL031255, AC006241, AE000658, AC012627, AL031846, AC005786, AC004849, Z97989, AL133353, AC004491, AL133382, AC007664, AL109759, AP000512, AC003046, AC004765, AC002525, AL022576, AC006328, AL031681, AJ006996, AC002430, AC004675, AC004386, AC006430, AL031733, AL133371, AC003042, AC005190, AC008040, AC005189, AL031295, AF196779, AB023048, AL109798, AL021392, AC007011, AF031078, L78810, AC004257, AJ010598, AC002378, AC004458, AC007172, AC009946, AL121653, AL049873, AC007384, AC000029, AL033521, AL122021, AC005081, AC007050, AC007055, AC003103, AC006530, AC004131, AC002996, AC005180, AC007390, AL022165, AC005060, Z84477, AC004878, AC005328,

HNHF53 HNHF08	7679	576417				AC002504, AC005921, Z69705, AC006026, AP001056, AC005358, and AL024507. AL121871.
	7680	958854	1 - 350 1 - 494	15 - 364 15 - 508		AA809125, A1732151, A1962030, A1078409, A1755214, A1754567, A1223968, A1754105, A1733856, AA769130, AA536040, AA630854, A1653776, AA579130, AW082104, AA947369, AA410788, AA225406, A1751180, A1792464, A1186438, AA176978, F35374, AA772906, AA515939, A1635028, AW272294, A1826761, AA492495, A1017251, AA126635, A1874201, A1801563, AA634991, A1249688, AA714288, AA297666, AL038842, AA704393, T57767, A1499954, A1923052, A1038304, A1866487, AA579152, AA714110, AA832444, A1820963, AA228778, AA419389, A1446500, AW131356, A1471572, AA251356, A1569100, AL041375, A1284045, AA584493, AA702605, A1355007, T09219, AA713705, AA541532, AA527209, AA011037, AW192599, H23467, AW275953, AA563770, R81017, AW277174, AL079734, AA487226, AW237905, AA904211, AA525807, A1056177, A1923451, AA130647, AW157005, AA598927, AA557911, AA765925, AW270768, AA572813, A1053784, A1343169, AA228824, AA665021, A1452836, A1291037, A1923458, AW275432, A1244157, AW276935, A1076236, AL045476, A1004591, AW271904, AW151247, A1446452, AA644090, A1053977, F03525, A1870453, AA456924, A1689019, AA197218, A1365625, AA746911, AA601278, A1150670, A1619738, AW243808, AA313133, AW023111, AL038606, AA176604, AW301809, A1683514, AA133013, AW088665, AW265006, AL135377, AW327624, AA492584, AC005412, A1236701, AL031283, Z98946, AC006430, AC005280, AC005531, AC005500, AC000353, AC005808, AC002302, AC006080, AL022165, AC005180, Z97180, AC006511, AC009509, AC005089, AL009183, AC002563, AC004805, AC004033, AL024498, AC006271, AC004067, AB015355, AL117339, AC004000, AL139054, U17576, AC005971, AC005822, AL022320, AL022721, AC005229, AL049776, AC006112, AC006111, AL031053, AC007371, AL049829, AC005072, U95739, AC006011, AC005406, AC006512, AB023060, AL050307, AL133246, AL049779, AL035089, AC005086, AC006211, AC012384, AP000432, AL031681, AL136168, AC005519, AF134726, AL031985, AC004687, AC005841, Z98941, AL031287, AC006571, AC006116, AC005324, AD000671, AC007308, AC000159, AC005736, AL035086, AC004050, Z83845, AL008718, AL133353, AP000510, AC004859, AL035420, AC005231, AC005399, AC003101, AC007458, AL035400, AC004685, AC002301, AL031311, AC004858, AL035683, AL080243, AC005722, AC005800, AC006441, AL035659, J03071, Z93244, AP000356, AC004605, AL133216, AL121769, AC005821, AC004087, AL022336, U91318, AL117258, Z85996, AP001053, AL031055, Z82244, AC005922, AC005696, AC002470, AC002477, AC005913, AC004890, AL024509, AC003041, Z99716, AC002395, AC006930, AC006142, AL031643, AC004884, AC005409, AC004049, AC005919, AF047825, AP000065, AP000123, AP000055, AP000170, AC006312, AF196779, AC010197, AC005899, AL034351, AC006537, AL049712, AC005015, AC003692, AC005993, AL022345, AC004453, AL049775, AF165926, AL033376, AC006449, AP000502, AC005562, AC010205, AL035413, AP000044, AP000112, AC004811,

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HNHEE03	7681	924619	1 - 472	15 - 486	AA464805, AW196893, AI808181, AW131666, AA130204, AC007386, and AB011154.
HNHED88	7682	576529	1 - 486	15 - 500	
HNHED18	7683	666594	1 - 665	15 - 679	R94571, AL247753, and AA678053.
HNHDZ25	7684	973295	1 - 639	15 - 653	
HNHDY14	7685	542062	1 - 706	15 - 720	AA441960, AA372392, AI358948, AI160732, and AL022165.
HNHDX57	7686	734933	1 - 458	15 - 472	W32067, and AF136745.
HNHDX30	7687	692875	1 - 441	15 - 455	W01704.
HNHDX94	7688	883870	1 - 556	15 - 570	AI345256, AI826857, AI308529, AA046906, AA157876, AW265468, AA017583, N99245, AI520984, AW410844, AA527633, AA047057, AA019793, AI571094, AA132929, AI003068, AW021674, AL121039, AI702049, AW162314, AI819419, AW157128, AI872229, AW029626, AA313025, AA828840, H62123, AI049999, AI254267, AI038029, AI791720, AI791408, AA579082, AI888050, R92703, AW162762, AA425283, AI570067, AA618531, AA635433, AW162332, AA633068, AA554289, AI572680, AW274180, AA557945, AI457152, AL039117, AI318548, AI828721, AI754926, H47461, AI521019, AW192930, AI251024, AL119909, AI815210, AW023390, AA610644, AL138262, AI744963, AI445699, AI064968, AW028376, C75332, AA829199, AI344906, AA367920, AI744259, AI884404, AA112864, AA525818, AA664963, AA779599, AI907521, AI253347, AA021061, AA419014, AA652675, AA493245, AI571894, AI000314, AI753131, AA604601, AI885896, AA636077, AI860648, AI805556, AI028148, AI805373, AA494313, AI744890, AW085626, AA632355, AA601336, AI734193, AW338633, AA748071, AA455202, AA847341, AI825901, AW341955, AW084152, H86399, AW238137, AI434103, AA826109, AA629668, AI567676, AI281622, T10292, AA084148, N49298, AI446618, AI745666, F30357, AI288350, W69639, AI734158, AA167656, AA935827, AA657392, AI573198, AA728911, AL043095, AI640905, AI538404, AI751698, AA524604, N57782, N95217, AA846014, AI744766, AW337483, AA829669, AW022796, AA661583, AI300608, AA657808, AI459879, AA523718, AI619933, AC005768, AC005015, AC004876,

HNHDW16	7689	422903	1 - 347	15 - 361	AL031291, AC005829, AC005291, AC005081, AC006071, AL139054, AL117355, AL023879, U15177, AF015416, AF111168, AP000512, AC005261, AC005305, AL133246, AC005180, AL008726, AP000133, AC005520, AL079342, AL031228, AC005913, AC005808, AC004801, AL031123, AC006538, AC004890, AC005682, AL005632, AC005736, U95739, AC006512, AC004929, AC004993, AC007057, AC006468, L78833, AC005037, AC004999, AC003071, AC005031, AL031663, AL035086, AC005233, AF196779, Z97632, AC006480, AL031311, AJ251973, AC005329, AC007283, AC004148, AL034420, AC004491, AC002492, AC004797, AJ003147, AL021392, AP000704, AC005102, AC005369, AL049576, AL022323, AC005694, AC005527, AC006449, AL133448, U52112, AC006162, Z93017, AC005839, AC005412, Z83840, AC006597, AL021546, AC004858, AC004985, AC005288, AF045555, AC005358, AC000353, AC006013, AC016027, AL022721, AC008134, AC004617, AL022326, AC002312, AC000025, AC005377, AL022336, Z84466, AF196969, AC006137, AC004707, AC005089, AL121852, AC005914, AF053356, AL034548, AC005562, AC006455, AL121652, AC004678, AR036572, U91328, AC004386, AF111169, AC006088, U95742, AC005920, AC005529, AC005399, AC005971, U85195, AC006581, AC007731, AC007868, AC004832, AP000008, AC006509, AL009181, AL022316, Z83844, AC008372, AC002302, AP000432, AL035071, AE000658, AC005234, AC002544, AC008009, AC003043, AC006261, AL135744, AC007435, AC004895, Z86090, AC005666, AC006511, AP000501, AP000514, AL035079, AC007899, AC005500, U91323, AC006530, AC002425, AL050318, AC002395, AC004000, AC007371, AL078581, AL121657, AC004752, AC004859, AL021918, AL022318, AL035413, AC006057, AC004844, AC005231, AL133163, AC004382, AC005730, AL022165, Z94721, AC004983, AC006312, AC004967, AB023049, AL022315, U91326, AC006946, AC006211, AC007676, AC002091, AP000084, AL049540, AC006075, U91321, AC005924, Z81364, U80017, AJ246003, AP000210, AP000132, Z98742, AF011889, AC005779, AL121603, AL020997, AC007193, AL121655, AC005740, AL049761, AL035684, AC005911, U78027, AC004966, U91318, AC004814, AC003010, AL049694, AC006011, AC004031, AL080243, AL031587, AL109623, AC004234, Z49236, AC007021, AC005057, AC006241, AC005353, AL031120, Z98051, AL079295, L44140, AC005826, AL096791, AF109907, AC005088, U95740, AP000065, AC005252, AC002472, AL121653, AC002314, AL033527, AL031767, AC005300, Z97056, AL008720, AL035422, AC006277, AP000251, AC006379, AC005618, AL096701, AL031591, AL109654, AL121658, AP000345, Z81369, and AC005325.
HNHDV16	7690	559341	1 - 743	15 - 757	AA458568.
HNHDV93	7691	792467	1 - 465	15 - 479	H47358, H93774, H47450, H93887, AA341061, AA314420, AA313108, AW300902, AA314241, N55700, AA225897, AF147425, AF161523, and AF151868.
HNHDV16	7692	863116	1 - 592	15 - 606	
HNHDT83	7693	974277	1 - 425	15 - 439	

HNHDT33	7694	576483	1 - 154	15 - 168	
HNHDT32	7695	573332	1 - 110	15 - 124	
HNHDT19	7696	573355	1 - 145	15 - 159	
HNHDT12	7697	576464	1 - 132	15 - 146	
HNHDT05	7698	932223	1 - 431	15 - 445	T19850, AA456956, and T19851.
HNHDM15	7699	660509	1 - 584	15 - 598	W58300, W58191, AF088040, and AL024498.
HNHDM40	7700	574312	1 - 309	15 - 323	
HNHDM03	7701	924895	1 - 320	15 - 334	
HNHDM07	7702	953883	1 - 383	15 - 397	T49747, AA077952, AI018726, AA774119, AA805901, N99715, AI570261, AA340003, AI354369, AI064952, AW193432, AI376197, AI567941, AI459866, AA843450, AA229785, AI017733, AI914706, AI890923, AW029038, Z22626, AA468289, AI732682, AA218645, AL046409, T12272, N25927, AW304584, AI138421, AI804544, AL079935, F28576, AI569086, AA973575, AW438539, AI038279, AW337985, AI079910, AW130799, AI445436, AI866807, AI890052, AI963786, AW103918, AI963263, AL046746, AL079645, AL042856, AA394078, AL038785, AI003743, AI564589, AL120483, AI761471, AA569284, AA344959, AL041368, AI049722, AA535661, AA827383, AW117936, AW276827, C06327, AI289067, AW088202, AI433284, AA977743, AA515051, AW440836, AI610159, AA339487, AI431303, AI223626, AA664535, AA443390, AI567674, AW104748, AL118567, AI474713, AI951889, AI951928, AA384502, AW264969, AI246061, H92005, AA633068, AI887483, F24792, AA664248, AI003172, AA635417, AW074398, AI054090, AI963720, W60516, AA192740, AA178953, AI251241, AI249853, AI205126, AL039309, AI284543, AA470581, AI254770, AA551509, AI802526, AI251944, AA584489, AI251034, AI251203, AI251284, AI469172, AI814735, AI250552, AI547286, AA828662, AA460880, C05755, AI421213, F31204, AW131034, F19258, AA515128, H37821, AI053465, AI133164, AW339568, AI653783, AW192199, AC004923, AF140763, AL024497, AC006296, AC007911, AL033381, AC005184, AL031733, Z77894, AL049760, AP000563, AP000133, AP000211, AB017602, AC006270, AL022323, AC006966, Z93023, AC005596, AC005370, AP000513, AB023049, AC005220, AB020859, Z99571, Z85999, AL031662, Z84478, AC000378, AC010197, AC007938, AC000159, AC002451, AC006064, AC004462, AL021453, AC005040, AC006261, AC006132, AC005661, AC006205, AC018633, AC005062, Z83827, AL033504, AC004844, AC004821, AL035089, AC005771, AL132777, AC004186, AC004189, AL031286, AC006999, AL021878, AC004848, AC004859, AC006312, AC002985, AC005251, AC005249, AL136297, AC005409, AC000353, AC007731, AC004506, AC006263, AC005247, AC007970, AC005500, AC000026, AL117330, AP000093, AC003957, AP000237, AF107258, AC002350, AC004885, Z85996, AL031054, AC005342, AC002369, AC002382, AC006115, AC009223, AC006057, AF169121, U52112, AC004493, U77080, U77078, AL031721, AC004230, AC004000, AC008115, AC005341, AC005899, Z81370, AC010077, AF003627, AC004814, AP000193, AL034451, AP000050, AC003964, AP000311,

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HNHDD52	7703	520297	1 - 325	15 - 339	AI933478, AI933486, AI923032, AI804546, AA559166, AL037777, AI857261, AA244415, AI252726, AA321148, AA581342, AA524846, AI246796, AW013952, AW193432, AI050007, AW069227, AW161459, AA678970, AI383965, AI185122, AW161879, AI634187, AI191343, AI457313, AW243706, AI003797, AA936548, AA316535, AI355281, AA604607, AW078495, AA304857, AI282661, AI289067, AL045107, AI026710, AA364567, AA342958, T60029, H94871, AI828669, AA854782, F31746, AI018726, AI431303, AI473090, AL079869, AA985038, AI926089, AI249688, AA828851, AI038304, AI752369, AI754567, AI569100, AW192599, AI754105, AW131356, AI755214, AI613261, AL118911, AL039761, AI080307, AA776922, AW151201, W16925, AI799569, AA078084, AA847216, R76463, AI469624, AI924855, AA654998, AW243960, AA804732, AI633479, AI828710, AA394271, C75026, AA114053, AA847821, AI471534, AI683577, AI380617, R44592, AA226346, AL041019, AI005388, AL041018, AA724230, AI471729, AL047643, AW276827, W03190, AW102944, AA179165, AI879000, AI689198, T62975, AW074207, AI282832, AA558697, AA528634, AI370270, AL042547, AA374705, AW272389, AI859744, W61253, AA365144, AI926366, H64777, AI471481, AA577719, AI799683, F18403, AA747620, AI668566, AA515751, AI339302, AW008231, AI801695, AA653057, AI905408, W94226, AI287964, AW192297, N99715, AW151637, AW151645, AW151646, AW151870, AW008217, AI216978, AW363120, W92961, AA843450, AI139968, AI061292, AA491814, AI003172, AI061134, AW274182, AI572581, AA502572, AW363118, AI499134, AI339182, AW340922, AI051551, AW103415, AL041706, AI241372, F34465, AA279517, AA573002, R76765, AA159006, AA676621, AW316542, AI911901, AI754195, AW328174, W60516, AL046409, AW020340, AW152205, AA133986,

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HNHDC29	7704	904546	1 - 207	15 - 221	U87223, and L77577.
HNHDB69	7705	757760	1 - 402	15 - 416	N46632.
HNHCZ84	7706	782897	1 - 673	15 - 687	AW438539, AA601202, F12561, AI963221, AA568623, F08248, W02565, H07953, R61498, AA584733, AA829036, AA588001, AW337237, AI133573, AI431434, AA644090, AI138182, AW022655, AI690497, AA728873, AI536857, AI889566, AC005274, AP001069, AC007058, AL132642, AJ251973, AC005697, AC004854, AC004832, AP000330, AP000690, Z98304,.

HNHCY96	7707	796547	1 - 737	15 - 751	AL031311, U91321, AC006479, AC012083, AC007008, AC002303, AC005484, AC005534, AB023053, AC004191, AP000516, AL109623, AC004876, AC007878, AL023807, AL096767, AP000343, AC000052, AC005261, AC006417, AL034350, Z93244, AP000967, AC005212, AC008014, AP001037, AC007376, AC007016, AF200465, AC007162, AC005067, AL035413, AC006236, AL031846, Z75888, Z75887, AC006207, AC002039, AC007666, AC005138, AC005279, AC004019, AP000036, AL009178, AL031283, AL035696, U73023, Z82176, AL133399, AC002559, AL035407, AC005215, AF196970, AC004386, AL022238, AC005740, AC004167, AC005231, AC004686, AC007276, AP000171, AL031577, AL049776, AL023096, AF038458, AL035414, U95740, AC005548, AB025321, AL031286, AC009510, AL096791, AC005886, AC007129, AL109758, M17283, AL049643, Z82201, AL022320, AC005785, Z83840, AC007056, AC002045, U82668, AL049634, AL078587, AC005225, AC006450, and AC005250.
HNHCY07	7708	953878	1 - 685	15 - 699	AI091257, AC002430, and AC007384.
HNHCY06	7709	936061	1 - 261	15 - 275	AI341576.
HNHCY08	7710	959944	1 - 357	15 - 371	T89316.
HNHCY09	7711	796745	1 - 254	15 - 268	AA780572, and N22524.
HNHCY09	7712	754189	1 - 350	15 - 364	AA242903, and AW167557.
HNHCY09	7713	705641	1 - 281	15 - 295	AA191568, and AC002111.
HNHCY09	7714	757751	1 - 354	15 - 368	H58980, and AI902634.
HNHCY11	7715	964952	1 - 198	15 - 212	
HNHCY12	7716	861673	1 - 586	15 - 600	AF112462, and AR035954.
HNHCY13	7717	574074	1 - 203	15 - 217	
HNHCY14	7718	574080	1 - 148	15 - 162	
HNHCY15	7719	702679	1 - 641	15 - 655	H94849, N71428, R98526, H58466, N99381, and R98479.
HNHCY16	7720	668255	1 - 451	15 - 465	AA577825, AA713821, AA486097, AA583392, AA603182, AA179985, AA584534, AA167544, AA451922, AA773127, AA582052, AA489989, AA464930, AA578664, AA577765, AA167492, AA577803, AA577840, AA504875, AA577875, AA126847, AA581666, AA594706, AA601406, AA169344, AA613193, AA487519, AA662979, AA775210, AA169233, AA490015, AA457219, AA983272, AA834194, AA490019, AA601418, AA167538, AA169557, AA584834, AA206780, AA188953, AA584435, AA169228, AA668372, AA581901, AA780751, AA613153, AA601412, AA490246, AA772877, AA601625, AA121767, AA180281, AA668327, AA722310, AA563828, AA668699, AA456926, AA680277, AA601464, AA121840, AA169346, AA663091, AA594753, AA668151, AA594147, AA490054, AA456941, AA593549, AA112316, AA456979, AA219034, AA584907, AA60363, AA714486, AA490110, AA775329, AA564831, AA663367, N25053, AA584502, AA679143, AA983440, AA720805, AA577773, AA456943, AA434080, AL047233, AA834071, AA581910, AA736954, AA458783, AA584459, AA112323, AA593542, AA490032,

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HNHBZ39	7721	860113	1 - 272	15 - 286	AF149774, AC009405, AC005832, AC005690, AC004554, AL132985, AC006840, AC002385, AL049838, AL023806, AL022575, AF172277, AC007221, D87003, Z81145, AC004650, AL096704, D87675, AC000021, AL135960, AJ131016, AC005248, AC006027, AC005852, AL133321, AL009176, AC006963, AF020662, AC004957, AC003090, AC005688, AC006365, AL035089, AL034407, AL031074, AL034384, Z98172, AL022578, AC003012, AC007392, AC005187, AL031114, AF164343, AL022153, AC004050, AC006362, AL022725, AC004592, AB017651, Z94721, AC007254, AC004056, AF106564, AC004103, AL035665, AL022345, Z96811, Z98946, AL008723, AC005165, AC005682, AP000696, AC008109, AL121852, AC005510, AC006031, Z76735, AC005537, AC005939, AC004761, AC007738, AL079305, AC006568, AC006372, AL109865, AP000534, Z93242, AC004711, AC006383, AC003086, AC004886, AC005195, AL117337, Z99569, AC004452, AL008722, AL135784, AP000346, AP000079, AL035594, AC005477, AP000952, AL031075, Z92543, AL132826, AC005922, AL049589, and Z83745.
HNHBZ39	7721	860113	1 - 272	15 - 286	AL049591.
HNHBX96	7722	796539	1 - 368	15 - 382	T89446, AW298359, and AL1081000.
HNHBW54	7723	583752	1 - 408	15 - 422	AC004531, and AC006007.
HNHBU02	7724	920662	1 - 268	15 - 282	AA490179, AA386883, and AC007263.
HNHBO78	7725	574093	1 - 291	15 - 305	AA808994, AL044322, AF146191, AL122020, AC004828, and AC005067.
HNHBK57	7726	490789	1 - 494	15 - 508	AL205181, AA229785, AF796594, T07213, AW105737, AW193432, AA578967, AW270768, AL446205, AA745582, AL119259, AA347927, AL281474, AA605266, AA828867, H64777, AW008074, AL865776, AA347930, AA206475, AL291037, F31867, AW440976, AW157005, AW236342, AW275719, AW277174, AW341903, AL028510, AA664248, F19012, AA569706, F23327, AW383542, AA747375, AL984593, AA92126, AL625244, AA653139, AA743811, AL148245, AA657835, AL803809, T48723, AL624528, F00533, AL289067, AL431303, AA888777, AL688846, R83838, AL119838, T06828, H95769, AA779783, AL189932, AL13280, AA728894, AW250970, AW383586, AL753365, AW383440, AW383608, AW383628, AW383455, AW383629, AL040313, AL832782, H86579, AL291124, AA654968, AL284595, AA557879, AA715850, AL192631, AL291268, AL524540, AL1610607, AL537030, H57846, AA779075, AA608683, AW380074, AA828047, AA346454, AL890688, AL120483, AA936859, AL986251, AL728861, AL246796, AL061313, T57604, N29941, AW383605, AL654529, AA657416, T05101, AA533408, AW338086, AA578695, AW383624, H79308, AL888441, F23272, AL874201, AW383606, AA865262, AA525190, AA653221, AL688928, AL040948, F18974, AL431232, AL910609, H54443, AL804604, AL078581, AC007617, AC005632, AC005539, AC006480, AL031256, AB018280, AC004531, AC004797, AL031291, AC006208, AL020995, L44140, AC002476, AC007486, AL049760, AB017652, AC000041, AC002122, AC000353, AL031295, AC008044, AL035417, AL031594, AL031584, AB020859, AC005043, U85195, AC006285, AE000658, AC004167, AL096791, AC005207, AC005620, AC005062, AP000049, AP000116,

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HNHB148	7727	860125	1 - 535	15 - 549	AI541374, AA585101, AI525556, AI525431, AI540967, C16300, AI541365, AI557807, AA585439, Z28355, AI541307, AI541017, AI541523, AI541535, Z30131, AI546999, AI557799, AI541514, AI546828, AI525306, AI547039, AI535639, AA585476, AI541510, AI546891, AI546945, AI526194, AI525316, T11028, AI546855, AA585453, D61254, AI536138, AI557238, AI526140, R29445, AI557731, AI541013, AI525328, R28735, AI541534, AI541390, AI541345, AI556967, AI546875, AI525320, T23957, AI557262, AL037436, AI541508, AI557787, AA585356, T41289, AL037435, D57491, AI541509, AI525653, C16305, AA585434, AI239433, AI540882, R29177, AI526187, AI557796, AI526073, AL040463, AL039915, AL043612, AL041197, AL040155, AL041346, AL041096, AL047012, AL041358, AL041277, AL041163, AL041098, AL040621, AL043538, AL041324, AL040464, AL044162, AL041086, AL043496,

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					AJ230972, D13316, A70869, D13509, AJ230951, AB025273, AJ231009, AR051957, AR035975, AR035977, I18302, AJ231028, E17098, I66495, I66494, AC005913, AR035974, AR035976, AR035978, AR064707, AJ22734, AR022273, AJ230867, AR054723, I66481, A83642, A83643, I66488, I66489, AJ230845, I66490, I66491, I66492, I66493, I36244, A83151, X55486, AR051864, AR051865, A06631, X82786, S60422, AJ231011, AR063812, A24548, A24546, Y14219, X76012, AF006072, I05845, AR031358, AR031365, AJ230996, AJ244006, AJ243486, AR009152, I03669, I03668, A16035, AR017826, AR003381, A68112, A68104, I15353, I33632, A62298, Z30183, AF213384, E03654, A05993, A05975, A05973, AR050070, and A82595.
HNHB102	7728	918387	1 - 803	15 - 817	
HNHBG42	7729	714044	1 - 360	15 - 374	
HNHB78	7730	773747	1 - 583	15 - 597	N35304, AI377191, AA256944, AI803128, and AI332632.
HNHB47	7731	949027	1 - 911	15 - 925	AA176868.
HNHBE75	7732	766526	1 - 480	15 - 494	AL042380, AB028499, and D87469.
HNHBD73	7733	764293	1 - 561	15 - 575	R42061, and AC006561.
					AA598889, AA877462, AA729004, AI636422, AA460880, AP000692, AC005837, AL080243, AC006263, AC005328, AC005933, AL022476, AL031685, AC004922, AL008718, AC004974, AC004967, AC004752, AC006388, AC002350, AC006443, Z98048, U82696, AC006538, AL034420, AL050307, AC005318, AL031983, AC004882, AC005399, AC005480, AC005519, AC005911, AC002418, Z93023, AL033504, AC006581, AF196779, AL122020, AL133163, Z95152, AL031657, AC005726, Z98044, AC007308, AC006261, AL050320, Z80771, AC004534, AC007228, Z97630, AC006315, AC007934, AC006137, AP000260, AL049562, AC005372, AC005670, AL035684, AC007537, AC000353, AC006312, AP000099, AC007917, AC004663, AC005288, Z82198, AL031284, AL031311, AC005565, AC005531, AC004812, AF067844, AC005821, AC005037, AC004797, Z97352, AC006162, AC005375, AL020995, and AC007387.
HNHBC77	7734	772452	1 - 261	15 - 275	N92834, W25061, and AC005074.
HNHAP69	7735	574295	1 - 256	15 - 270	
HNHAP55	7736	574386	1 - 328	15 - 342	
HNHAP32	7737	574393	1 - 267	15 - 281	AC004849.
HNHAP08	7738	959961	1 - 225	15 - 239	
HNHAM81	7739	574402	1 - 103	15 - 117	
HNHAM80	7740	574404	1 - 146	15 - 160	AC006443.
HNHAM33	7741	571334	1 - 107	15 - 121	AI732977, AA907815, AA911504, and AB023421.
HNHAK41	7742	890594	1 - 450	15 - 464	
HNHAI41	7743	712605	1 - 221	15 - 235	AA017301, AA054227, and R85894.
HNHAI07	7744	954088	1 - 156	15 - 170	AI361882.
HNHAF61	7745	742116	1 - 673	15 - 687	W32160, HI2099, F11591, R24785, F07709, AF152473, AF152303, and AC004776.
HNHIAE19	7746	527975	1 - 551	15 - 565	AA732587, AA747437, AA207014, AA047644, AW015259, AA283881, and AA262271.

HNHAB36	7747	596822	1 - 954	15 - 968	<p> AL1733856, AW190505, AA702605, AW270258, AA533176, T05834, R91911, AA550850, AW327624, AA659535, AA601278, AA233465, AA515728, AW117740, AL1732120, AA857296, AA618263, AW300749, AI493264, AI628224, AA085587, AA525153, AI367523, AI927094, AA668291, F04697, AA579130, H71678, AA324186, AI636627, AI678785, AI809818, AI829331, AA812058, AI570943, AA454177, AI888468, AA508809, AI040051, AA779783, AA491284, AA600202, AA602906, AI457597, AI630283, AW192330, AI144094, AA262752, T74524, AA862312, H07953, AW004884, AI053981, AA573068, AW157492, AA350596, AA229912, AB003151, AC004408, AC005529, AF134726, AL035086, AC005253, AP000689, AC005527, L44140, AC005184, AC005071, AL031276, AC005005, AC007221, AC005903, AL049874, AC012627, AC006111, AC002072, AC004019, AC004841, Z99716, AC002350, AC009516, AL121658, AL049543, AL031432, U95742, AP000013, AP000155, AL023575, AL031005, AL031297, AC005694, AP000025, AC003029, AL034420, AC005482, AC000353, AC002395, AC004858, AC007934, AL009181, AL133448, AF001552, AC005940, AL008582, AP000049, AC005519, AC004595, AC000052, AC006064, AC004765, AL133163, AC007216, AC005399, AP000311, AP000359, AC005907, AC004967, AC006285, AL121603, AC007226, AC002563, AC005004, AC005899, AC008115, AL022069, AP000030, AC005363, AL035413, AC005146, AC006079, Z84469, AC004745, AC002331, AC005057, AC004686, AL133238, AC006126, AL034343, AC006312, AC006960, U62293, AC007227, AP000505, AL109628, AP000251, AC002991, AL050307, AF129756, AC003013, AL034548, AC002316, AF196969, AC005619, AL049872, AC003109, AL035398, AC007845, AC002527, AC005520, AL049829, AL033392, AC002301, AC005288, AC005089, AC007993, AL031447, AC005081, AC002045, AC016026, AC002310, AL034549, AL080243, AC005544, AL121652, AC002126, AC006120, AC020663, AC005914, AP000512, AC007263, AF019413, AC003101, AL133445, D84394, AC004878, Z98200, AC007421, AP000558, AL049694, AL035420, AC005971, AL008719, AC004645, AC000026, AC004905, AL021546, AC004854, AL024498, Y14768, Z86090, AC006480, AC006333, AL035415, U07563, U63721, AL022320, AC004859, AC007371, AC007200, AL049776, U85195, AC002477, Z99774, AL049761, AC007283, AC006511, AL109984, AC002544, AP000065, Z98749, AC007919, AC005781, AF117829, Z85986, AC008372, AL031722, U91321, AE000658, AL109801, Z94802, AC005837, AL009179, AC005015, AC003688, AC003950, AC005779, AC006479, Z83843, AC007999, AC004517, Z92542, AC006211, AL096791, AC005104, AL049697, AC007676, AL109839, AL008725, AC005411, AC004890, AF207550, AC005800, AC002059, AC006952, AP000502, U47924, AC005578, AC006001, AL031587, AL022313, Z94056, AC007686, AC002470, AP000134, AP000212, AL035461, AL109799, AL031427, AC007649, AL031281, AL132796, AC005086, AL022165, AL133371, Z93017, AC007406, AC002425, AC006275, AC004996, AL031055, Z68224, AP000023, Z83826, Z84487, AC004750, AC005874, AF134471, AC005513, AC005189, AL050341, AP000964, AC005539, AL035071, AC004999, AL022336, AL021807, AP000193, </p>
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HNHAB15	7748	973675	1 - 626	15 - 640	AC004158, AC004752, AC005512, and AC005726.
HNGPR43	7749	860142	1 - 291	15 - 305	H65099, and AA601342.
HNGPP74	7750	974046	1 - 724	15 - 738	
HNGPN54	7751	947104	1 - 466	15 - 480	
HNGPM65	7752	972821	1 - 292	15 - 306	AC007429.
HNGPL75	7753	950134	1 - 1119	15 - 1133	AA773970, AA768044, and AC005332.
HNGPL05	7754	974049	1 - 528	15 - 542	AC004541.
HNGPI87	7755	860162	1 - 491	15 - 505	AA169191.
HNGPH83	7756	974045	1 - 217	15 - 231	
HNGOZ40	7757	909158	1 - 607	15 - 621	AA132013, AW014651, A1675608, A1248426, AW071964, A1480054, AW002112, A1248788, R44057, A1890868, W88679, A1566382, A1014337, AA768893, AA404555, AA992522, AF155098, and AF135016.
HNGOY68	7758	860169	1 - 676	15 - 690	A1073971, and AW058089.
HNGOY32	7759	954991	1 - 739	15 - 753	AA601697.
HNGOP63	7760	973415	1 - 760	15 - 774	AC005343.
HNGOP40	7761	860182	1 - 719	15 - 733	AA137024.
HNGOO88	7762	860179	1 - 351	15 - 365	T70563.
HNGON56	7763	974038	1 - 724	15 - 738	
HNGON24	7764	860183	1 - 707	15 - 721	AA573222.
HNGOK04	7765	972752	1 - 598	15 - 612	AL023882.
HNGOF70	7766	860195	1 - 301	15 - 315	AA236911, AA417620, AA824640, AC007216, U95742, AC002045, AC002039, U91326, AF001549, and AC002544.
HNGNY72	7767	860198	1 - 528	15 - 542	AA593483, AA585098, AA585325, A170832, R29657, T18597, AA585101, R45895, D53161, R28735, R29445, D57491, AA585155, C15406, AA585439, D59751, Z32822, AA585378, Z32887, A1557262, R28892, A1557864, A1541356, C15069, AA585329, A1526140, A1541365, A1525500, A1557740, R28965, D61185, Z28355, D59436, A1526184, R29218, D60844, D60765, D54897, A1526078, AA585476, A1557731, A1525316, A1557763, R28967, R28895, A1541205, A1541535, A1546971, C16315, A1525556, AA283326, A1541383, A1541517, A1547250, A1546875, A1526016, D61254, A1557727, A1557734, A1546999, D53472, AA585356, A1557718, A1557787, C16293, D53447, A1541013, C16294, C15120, D52835, A1547039, D55233, A1525306, D78224, C16300, A1541374, C16292, A1557084, A1541346, A1546945, A1525431, A1526191, A1557807, A1557155, A1547196, C16305, C15762, A1557408, A1557758, A1541523, Z30131, A1557809, R29179, A1525339, A1541034, C15737, A1540903, A1546921, A1541307, A1526112, A1546996, A1540967, AA585453, A1546891, D60730, A1547006, A1557602, Z33559, A1540974, C16296, A1547202, A1525320, A1557279, D57186, AA585430, A1557808, R29177, A1541321, A1526024.

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HNGNY16	7768	806017	1 - 628	15 - 642	N53256, and N48058.
HNGNY02	7769	918626	1 - 546	15 - 560	AA593459, and AA601626.
HNGNX66	7770	974035	1 - 655	15 - 669	
HNGNU85	7771	974037	1 - 688	15 - 702	
HNGNS91	7772	973432	1 - 560	15 - 574	
HNGNN81	7773	974124	1 - 511	15 - 525	
HNGNN01	7774	915226	1 - 654	15 - 668	AA776772, AI754955, AI830390, AA491814, AI053672, AW022379, AW168342, AI245679, AA181773, AA634227, AI273185, AI281881, AW088058, AA441788, AA457592, AI284640, W79504, T08638, AI471481, AI334443, AW303196, AW274349, F36273, T05101, AI564185, AW301350, AI358343, AA640772, AI674873, AA132914, AI291268, AI291124, AI273193, AA371533, AI446464, AA177061, AI801591, AI076616, AA284179, AI334435, AW407578, AA338486, AA649642, AI268599, AI707788, AW300625, AA364224, AW406447, C06303, AA581903, AA669251, AI432270, AI624698, AI061227, AI120502, AW419262, AA514737, AA810370, AA831375, H91305, AI888008, AA665021, AI281903, AI143242, AA349366, AI732120, AI859251, AI352078, N25296, AA744031, AI801701, AI287451, AA598586, AI287651, AF150152, AW151896, AA569387, AI817516, AA134367, AI364020, AL046898, T07451, AA368936, AW162489, AI653905, AW270270, AW073470, AA451612, AI471543, AA828856, AI561255, AI640702, H13757, AA482681, AI537030, AI133164, AA827023, AA862173, AA713891, AA528516, AI435544, AI754253, AA578391, F19012, AI299050,

HNGNJ46	7775	860212	1 - 475	15 - 489	AA533725, F10924, N63352, AA502155, AA604897, AF732186, AA652057, AA323749, AI352114, AA610491, AI709365, AW192154, AA838140, AI216799, T06828, T08914, N71930, AA665330, AA661948, AA513293, AA670468, R97934, AW072587, AC004460, AC006328, AC005630, AC005154, AC006312, AL096701, AL031668, AC004890, AC007242, AC002448, Z97630, AL132712, AC004099, AC005488, AC007536, AF077058, Z82205, AF001549, AF190465, AC005233, AC005324, AC007050, AC006014, AP001053, AC005332, AL079303, X75335, AL050318, AC004783, AL031283, AL133448, M19482, X52851, AC002544, AC007488, X74558, AC005544, AC004033, AL035587, AC005037, AC008273, AC006353, AC005091, AP000207, AP000129, AF121781, AC002404, AC002994, AF053356, AC006001, U91326, AP000459, AL008721, AL020993, AF152365, M87919, AL096712, AC005839, AL022721, AC009946, AF129756, AF165926, AP000130, AP000208, AL022332, AP000354, AP000018, AP000247, AC003070, AP000168, AC008282, AL133371, U73169, Z84480, AP000460, AC005175, AC006205, AC004825, AC007229, AC002549, AC007565, AC008055, AC005624, AL133249, AC008079, AC004884, AC000004, AC007040, AC003664, AL049843, AL035413, AF196971, AC007324, AC008372, AC008101, AL031053, AC003043, AL033521, AL031286, AC006039, AC006487, AL021707, AB020866, AC004765, AL050307, AL021878, AL035458, AL009179, AP000502, AC005620, Z99756, AC002090, AC005071, AC003007, AC007159, AC005041, Z83840, Z15025, AC010382, AL078639, AL078477, AL035457, AC006211, AP000350, AD000092, AL049766, AC007051, AC007100, AC006241, AF157623, U47924, AC007919, AC005102, Z86090, AC003112, AL121658, AL031719, AC007682, AC005771, AC006449, AC005940, AL133241, AC005503, AC000372, AC000003, AF161343, AC004992, AC007066, AL049873, AC005696, AC006965, Z84572, AL031650, AL031281, AC007193, AC005632, AC010169, AL022318, AC007842, AP000347, U75931, AC005261, U91327, AC007130, AC004987, AB022785, AL121852, AL023575, AL121694, AC007032, AC000052, AL031846, L47334, AC004217, AL031289, AL022476, AC002457, AF043945, Z85987, AP000696, AC005523, AC005837, AC007371, AC006210, AC000081, AL023283, AP000466, AL031670, Z82244, AL121603, AL121825, AL031311, AC004984, AC006285, AC007671, AC003959, AC004876, AL022322, AC002422, AC004865, AP001068, AC008015, AL023799, AP000044, AP000112, AC002536, AL009031, AC002326, AP000473, AC004019, and AC005768, AA053962, AL283611, AL283583, AL627209, AL144026, AL952755, AL109758, AL022163, AL121653, AC004875, AD000091, AC005969, AC010170, AC004792, AC005412, and AC002564.
HNGNJ78	7776	860216	1 - 366	15 - 380	AA126935, AA807689, T40495, T50099, H65096, R07589, T50151, AL801031, R93174, W90100, AC004259, AP000703, AC004600, AC008124, AC006509, AC004815, AF050154, AC005043, AC005049, AC005274, AC008085, AL109952, AC007193, AC005520, D28126, AC005081, AB015355, AC007899, AC002044, AC005015, AC006126, AP000704, AL034418, AC004551, AC005300, AL050318, AC004973, AC003029, AC007314, AC006026, AF069489, L44140,

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HNGND75	7777	974968	1 - 672	15 - 686	AC007786.
HNGND01	7778	915294	1 - 762	15 - 776	AI022226, AI129665, AI127628, AI130001, AI301039, AI141043, AL035865, AW270721, AW005796, AA534994, AI478710, AA404247, AI683640, AI935858, AW264511, AI121530, AA668748, AA557266, AW078692, AI955181, AI628202, AI086050, AW090542, AW166084, AI986269, AI983208, AI377124, AI683889, AA541435, AI081338, AA725813, AW070580, AA179522, AA932109, AI620840, AA810479, AW439451, AW068961, AI033877, W49540, AA133498, AW189306, AW088358, AA601021, AW090306, AA872331, AI920839, AI635641, AI214106, W86782, AA551354, AI610664, N51942, AA211133, AA126908, AA535619, AI081495, AI335620, AI884357, AA115738, AI297995, AI911637, W47028, N20983, AI887390, W73516, AA890394, W72695, AI680273, AA620718, AA578586, AI276552, AI190252, AI352166, AI476083, AL035750, AW305374, AW162495, AI469122, AW081889, AI079436, AA774108, AI342284, AI473922, AI973240, AI039051, AA084585, AI826973, AA826611, AA702028, W49770, AA598477, AI049540, AA180213, AI690720, D57533, AI001812, W73499, AI032492, AL047379, AA398664, AI074393, AW069375, AA706382, AI263477, AW243728, AI168559, AI753147, W305310, AI288970, AI052705, D54869, AW264770, W77810, AI493416, AW268388, AI051099, AA598495, AA514907, AI287981, R66430, AA747253, AW364206, AI933724, AI493365, AI219361, AI360733, AW020272, AA676604, AI609237, AI824623, AW022871, W05044, AW002671, AW087153, AI928872, D53483, AI174366, AA730111, AI187825, AI041829, AA853124, AW173457, AA501361, AW130490, AI273536, AW089817, AI859433, AI818678, AI055827, T63494, T10144, AW132076, AI127320, AI979199, AA622833, AI583649, AI754770, AA809076, AI753765, AI096355, AA703919, AI753332, AI299238, AA602670, AA579625, T67471, AW022545, AI492509, AI057100, AI583931, AL047743, AA533746, AA083367, AA778087, AI190949, AW262610, N63572, AW337252, AI190389, AW339759, AI041973, AI678856, AI140137, AI146987, AI811361, AI927773, N33083, AI890665, AA232549, AA788865, AW273394, AA568739, AI302621, AA770664, AW150725, AW273028, AI243228, AI937304, AI373008, AI423914, AI264872, AI251821, AA039947, AI866531, AI250692, N80040, AI028651, AA738286, AI702397, AI202482, AI783520, AA875881, AI263698, AA598774, AI338061, W32221, AA480150, AI470708, AI628500, AA115683, AI929829, AA070897, AW069880, C75038, AI274672, AA199627, AI084814, AA367443, W73373, AA134177, AI446560, W92997, AI364426, AA910384, AW385410, N34478, W48673, AA084513, AA630578, AA854828, AW197913, AA812131, T16010, AI561055, AI085001, AI049610, D14812, AB025049, AF100616, AF070664, AF131847, AL137697, AF161546, AF100615, AR051470, AR051511, R52817, R62932, H08211, N74682, AA082060, AA232343, AA600929, AA580303, AA662255, AA731060, AA828583, AA206628,

HNGNA49	7779	974907	1 - 606	15 - 620	AA653675, Z21558, AA904436, AA773870, AI583553, and AI610630. AW378532, AA837655, AW360855, AA704393, AA576336, AI810682, F05324, AA527209, W03286, AA468022, AA487775, AI734144, AI254913, AA837035, AW084745, AW084739, AI800168, AA569183, D34614, AL031055, AC004881, AR060138, AF129108, AL022336, AC004253, AP000502, AC004408, AF053356, AC007899, AC005409, AL008718, AL034548, AP001053, AL035397, AC007193, AC005015, AL031053, L09706, AF019413, AC003665, AJ229042, AC006468, AC004084, AC004019, AP001069, AC006252, AC004686, Z94056, AL031133, AC006130, AL021918, Z95114, AL022146, AP000348, AP000347, AC005280, AC004962, AC000052, AC005725, AL133321, AC002049, AP000170, AP000055, AP000123, AL035067, AC002472, AL024507, AL031680, AL135744, AL049540, AC004975, AC002301, AC002395, AC005900, AL049869, AL022318, AL031595, AL035695, AL031311, AC009247, AC007151, AC002543, L35667, AF135187, U73024, AC005612, AL031848, AL022238, AC000070, AC004776, U85195, AE000658, AP000210, AP000132, AL035587, AL034554, AC004072, AJ011930, and AP000466.
HNGMY91	7780	974056	1 - 735	15 - 749	AI246796, AI110760, AW080811, AI380617, AA449669, AA715506, AI567391, AA742818, W45215, AI124798, AA565911, AC006449, AC005695, U47924, AC006026, AC009516, AP000556, AF030453, AL049780, AP000552, AC002425, AC005088, AC005089, AC002470, AC007707, AC005086, AC005071, AL133445, AC003684, AC005274, Z93023, AP000688, AC016830, AL096791, AC007461, AC016027, AL050332, AC005049, AC005225, AC004859, AC005081, AC005015, D87675, AC004815, Z83844, AC004854, AC007216, AF109907, AL049776, U91323, AC004475, AC007666, AC004531, AC004983, AL031587, AC007421, AL009179, AP000350, AL049872, AC002472, AC002477, AL022326, U95742, AC006312, AL049539, AP000502, AC004491, AC007263, Z95115, AC007664, AC004797, Z98884, AF134726, AC005837, AL022336, AC007358, AC004477, U80017, AC004967, AC002375, AC006011, U82828, AC005057, AC007686, AL009181, AP000248, AC005971, AC002544, AC005332, AC005881, AL022320, AP000045, AC007371, AL031282, AC006006, AC007226, AC002316, AP000049, AC006014, AC005067, AL096712, AF001549, AC006571, AL035681, AP000557, AC005037, AP000692, Z99716, AL121658, Z84480, AC004584, AC003109, AC004858, AP000311, AL096701, AP000689, AB023049, AC003982, AD000092, AC006511, AC004106, U62293, AC002546, AC004520, Z93930, AC005237, AL031662, AL078638, Z84469, AC005839, AL035460, AC007637, AC007308, U95739, AL031595, AC006285, AC005261, AC007774, AC005899, AC004821, AB003151, AL021578, AL034549, AC003108, AC006459, AC005599, AL031311, AC006455, AL121652, AL022316, AC005823, AC005535, AC005562, AL109627, AC005884, AP000212, AP000134, AL035450, Z83840, AP000252, AC000353, AC006251, U91326, AP000300, AC004605, Z98304, AF111168, AC005778, AP001053, AC005488, AC005841, Z95114, AC007283, AJ010770, AC004878, AL022322, AC002350, AL133448, AC004148, AL121578, AC002550, AC005519, AF196779, AC005578, AL049869,

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HNGMW65	7781	950173	1 - 405	15 - 419	AA577906, AW406447, AL138265, AA587256, AW406755, AL358229, F25135, AL365988, AI061334, AI963720, AI613280, AA623002, AI446638, AW276827, AA630925, AA482711, AI350211, AL046409, AI619997, AA559290, AW193265, AI610159, AA649642, AA484696, AI311557, AI341664, AI688846, AI431303, AI284640, AA491814, AI344844, AA610491, AA569284, AW193432, AA634227, AL119691, AL120269, F29989, AI049634, AI281881, AL036382, AI345654, AI375710, AA581903, AI090334, AW302013, AI610840, AL048925, AW438643, AA551503, AI298710, AI669453, AA177061, AA719805, AI571512, AA984708, AW439558, AW189303, AI471481, AW270270, AI754658, AI270117, AI434695, AA525190, AI446464, AI053672, AA630030, AI289067, AA350859, AW148792, AI148277, AW303196, AA654771, AW274349, AI744827, AA810318, AI814735, AA569471, AW088846, AI143242, AA493471, AI305547, AI249997, AA394271, AI499938, AW304584, AI633390, AA604535, AI561255, F36273, AW301350, AA826303, AA806796, AW162489, AA747276, AI379719, AI262909, AW276435, AI744995, AI334443, AI801591, AL041368, H88666, AW276817, AI471543, AI085719, AA829223, AI537955, AW082108, AL038705, AW406162, AA568778, AL042420, AI286356, AI368256, AA682912, AA977743, AW408717, AI345681, AI345675, AI279165, AI634384, AA502963, AA641103, AI287651, AI133164, AA491831, AI732120, AW089322, AA572713, AI357551, AW339568, AI888008, AA468022, AA134367, AW338419, AA515905, AA491762, AA364224, AI860020, AW303876, AW238278, AI273968, AI281697, AL037683, T40617, AA644538, AI064864, U62293, AF015148, AF015149, AC005295, AL132712, AL008635, AD000684, AF038458, AD000092, AL031650, AC004019, Z69917, AC005914, AC002072, AC004596, AL023553, AC007564, AL035659, AL031584, AC009247, AC005841, AC004894, AL049631, AL035361, AC005015, AP000356, AC007666, AF196779, AC002395, AP000248, AL021940, AC005829, Z93241, AC006026, AP000354, AC002470, AC007308, AL031286, AL117352, AC005387, AC004263, AC007541, AC004821, AC004895, AC004849, AC008372, AL031255, AL031662, AC003007, AC006274, AC004848, AP000692, AL080243, AC005253, AC005907, AF045555, AC006120, AC005003, AC005410, AC005081, Z82244, AL049759, AL121578, AC007065, AC005876, AL132800, U73479, D87675, AL080242, AC006571, AC007151, AC006511, AC002377, AC006195, AL034423, U95742, AL121934, AL121748, AC002059, AF039907, AC002430, AL031848, AC004857, AL049712, AL109802, AC004534, AC006312, AC005264, AL022323, AL034547, AC008079, AC006128, AL023803,

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HNGMT40	7782	930430	1 - 601	15 - 615	AI620554, AI453794, and AI040063.
HNGMM11	7783	966099	1 - 456	15 - 470	AA256983, AF057159, AC009247, Z57759, Z56080, Z64954, and Z56081.
HNGML12	7784	934389	1 - 629	15 - 643	AI380529, AW293019, AA812027, N34824, AI384128, and AI919525.
HNGMF02	7785	955660	1 - 1026	15 - 1040	AI668778, AW449078, AI808063, AA652238, AI810731, AI819769, N20962, AA854352, AI868698, AA015950, AI146603, AA577040, AI768021, H20848, AI685171, H92976, R54801, AI424950, R85513, R73898, AI566765, AW055158, R93702, AW271967, AI885110, AA702855, H98871, AI251907, R37618, N58807, AI200592, AA422051, AI640769, AI825895, AI685990, N29373, AI183275, and AF131764.
HNGME04	7786	927020	1 - 612	15 - 626	H53494, AI240767, and AL121998.
HNGMD92	7787	790887	1 - 575	15 - 589	T40288.
HNGMD48	7788	974358	1 - 563	15 - 577	
HNGMC01	7789	915310	1 - 1007	15 - 1021	AI146451, AA022541, and AA022540.
HNGLY12	7790	968919	1 - 479	15 - 493	AI024747.
HNGLY08	7791	948825	1 - 834	15 - 848	D81111, C14227, D51799, C06015, T11417, D80253, D59859, F13647, D80168, D59889, D51423, D80166, D58283, D59619, D80210, D80240, D80366, D80212, D80064, D80195, D80949, D81030, D80188, T03269, D80219, D80391, D80043, D80227, D51079, D57483, D80196, D80269, D80038, D59927, D80193, D80024, D59275, D80022, C14429, D80045, D59610.

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HNGLS90	7792	787446	1 - 604	15 - 618	W93091, AW207524, R01213, A1016019, A1242115, and AW136066.
HNGLS94	7793	972812	1 - 641	15 - 655	
HNGLO21	7794	974067	1 - 773	15 - 787	
HNGLL07	7795	952236	1 - 597	15 - 611	
HNGLK36	7796	974584	1 - 650	15 - 664	
HNGKY10	7797	963459	1 - 150	15 - 164	
HNGKS34	7798	974368	1 - 426	15 - 440	AP000219, and AJ011931.
HNGKQ80	7799	860306	1 - 703	15 - 717	AA457656.

HNGKO32	7800	860307	1 - 807	15 - 821	
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HNGKM74	7801	942758	1 - 975	15 - 989	AI344276, and AF015416.
HNGKL24	7802	974360	1 - 526	15 - 540	
HNGKI02	7803	918622	1 - 717	15 - 731	AI580150, AI803419, AI379547, AA128109, and AI382855.
HNGKH07	7804	952210	1 - 234	15 - 248	AI468993.
HNGKG03	7805	922036	1 - 420	15 - 434	AA229992.
HNGKD49	7806	974364	1 - 536	15 - 550	AW403476, and W25389.
HNGKC69	7807	834922	1 - 759	15 - 773	
HNGKC21	7808	974581	1 - 345	15 - 359	
HNGKC06	7809	934309	1 - 696	15 - 710	AI125523, AW172301, AL043093, AI141715, AI634437, AI867768, AA927584, AA724084, AW016180, and AJ239329.
HNGKA11	7810	966117	1 - 462	15 - 476	AW014267, and AA085402.
HNGJIV82	7811	778921	1 - 426	15 - 440	AW188181, AA224032, AA249197, and AC005940.
HNGJIR05	7812	860357	1 - 455	15 - 469	AA458810, and AA781966.

HNGJQ96	7813	796414	1 - 382	15 - 396	Z94056.
HNGJQ36	7814	708121	1 - 299	15 - 313	AL037910, AI053445, AW082117, AA878149, AA603323, AA728978, AI347810, AA484143, AA555229, AI284640, AI673731, AI282661, AW238016, AA714467, AI818770, AI753267, AA524832, AL036283, AW275971, AC004231, AI008582, AF129756, AC004821, AC005375, AL096791, AL021391, AL049872, Z85987, AL022326, AC005519, AC002543, AC005632, AL096701, AC005899, AB023049, AC006211, AC005081, AC000134, AC005668, AC005768, AC006449, Z82180, AC004859, AC004814, AC005591, AC002470, AC004448, Z97054, AL034421, AL049569, AL031281, AC006285, AC009571, AC009516, AC003029, AC004257, AL031257, AL020993, AL022316, AL009179, AC006312, AC002544, AC005225, AC005730, AC004799, AC005726, I78810, AL078581, AL121652, Z83844, AC005041, AC004765, AC005212, AC004812, AL031666, AC020663, AC002350, U91326, Z94802, AC006011, AC000025, AC005154, AC004890, AL031680, AC004491, AD000092, AC009247, Z83840, AF196779, AL035659, Z99716, AC005678, AC004887, AC006071, AP000111, AP000043, AL121655, AC005164, AC002126, AF190465, AL049576, AL117330, AF045533, AC003007, AC005781, AL031311, AC000026, AC005660, AC006120, L78833, AC002418, AF051934, AC005874, AF134471, AC005702, L44140, AC008012, AF111169, AC006468, AL049869, AL109865, AC005291, AC006130, AC003101, AC004000, AL023882, AC005529, AP000512, D87675, AC012384, AC006480, D83989, AC004638, AL021154, AL121603, AL078639, AC004386, AL133448, AP000558, AC002300, AC004098, AC005255, AC007384, AC002059, AC005695, Z95114, AC005288, AC002365, AC004263, AC007066, AL035072, AL117354, AC007731, AI229042, AC005261, AC006239, AF196969, AC006263, Z84572, AC005500, AL008715, AL133163, AC002347, AL049776, AC004472, AF126531, AC005914, AL049780, AC004526, Z98742, Z84480, AL008721, AL133245, AC005004, AC005484, AC008372, AC002091, AC002115, AC007216, AC007510, AF196970, AF053356, AC002316, AC002565, AC004477, AC006006, AC004955, AL133399, AP000065, U91321, AC003042, AL135744, AC008079, AC006241, AC007207, AC002563, AC007773, U95740, AL117344, AL109653, AC004972, AC005531, AC004687, AB023051, AC002395, AC007193, U91323, A39972, AC012627, AC009248, AP000557, Z68162, Z85986, AL035409, AL023553, AC005829, AL008730, AC004895, AC003688, AC003043, AC004685, Z84476, U62317, AC005527, AC004774, AL008710, AC007919, AP000356, AC005772, AL033525, AC005799, AC007298, AC002310, AP000504, AL021395, AP000090, and AC007546.
HNGJQ08	7815	959511	1 - 110	15 - 124	R83852, AC005326, and AC004924.
HNGJL47	7816	720363	1 - 641	15 - 655	AI346735, AI304808, AA916741, AI273323, AI367917, AA190879, AA488481, AI273765, AA190847, AA488351, AI268909, AI263971, AW016733, and R45594.
HNGJK64	7817	746615	1 - 271	15 - 285	AC009247.
HNGJK63	7818	839947	1 - 373	15 - 387	AA861844, H68343, AI207424, AC002300, Z47066, AC005755, AC004913, AC004081, Z98051, AC002470, AC004953, AL133246, AC005730, AC005332, Z82196, AC005244, AL078639,

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HNGJK40	7819	711219	1 - 368	15 - 382	
HNGJI40	7820	711211	1 - 371	15 - 385	
HNGJI04	7821	615285	1 - 325	15 - 339	AA758934, AL334443, AI053672, AI754955, F36273, AI284640, AW238278, AI281881, H40410, AI801591, AI672135, AI133164, AI587583, AI587565, AI499503, AI355206, AI048142, AW021583, AA502155, AL041706, AI192631, AW270270, AA873573, AI919029, AA872067, Z78385, W79504, AW008317, AW073470, AI148277, AI144330, AI860020, AA573131, AI434311, AF029308, AL035494, AL031311, Z83844, AC002429, AI031427, Z86061, AC002430, AC005529, AC007384, Z69917, Z84480, AP000500, AC003109, AC005046, U91326, AC003007, AC005412, AL049872, AC004491, AC002470, AC005632, AL109623, AC005244, AC009069, AC005324, AC004895, AC003664, AL020993, AF124523, AC002301, AC005037, AL023553, AC005519, AC007488, AP000962, AC005015, AF091512, AJ003147, AC006211, AL022163, AC004257, AC006539, AL031728, AC005921, AC005699, AC005387, AC005019, AJ246003, AC006511, AC002045, AL022322, AL031770, AC005250, AL121658, AC009516, AL133448, AC006312, AL031650, AC004765, AC007878, AC005740, AC001231, AC007227, AC005516, AC005393, AC002115, AL121825, AC003101, AC004913, AC004067, AF134726, AL122020, AC006050, AC004638, AC007564, AC006017, AF200465, AC002312, AC003085, AC008372, AC020663, AC006480, AC004381, AC004825, AC007363, AC005527, AC004531, Z83840, AC005231, AP000553, AC002544, AC008064, AP000090, AC000025, Z54246, Z85987, AC002549, AC008101, AC004949, Z84484, AC004453, AL121748, AC004990, AJ011930, AC007731, AL034418, AC005500, AL121603, AP000114, AL049780, AB001523, AL033392, AC002425, AL139054, AC007510, AC004901, U95742, AC004019, AD000092, AL109967, AC009399, AL034343, AF023268, AC005988, D87675, AC005696, AC007130, AC002094, AC000134, AC005913, AC003982, AF129756, AL024507, AC002126, AC006079, AC006006, AC002395, AC005839, AC008079, AC005409, AL034402, AC003009, AC005406, AL031673, AC005619, AC010205, Z98200, AC006057, AL021808, AP000692, AL022313, AC004152, AC007216, AC005211, AF123462, U47924, AC007298, AC003003, AF067844, AL132994, AF146367, AF196971, AC004534, AL035458, AP000402, AL078477, AC005829, AL021546, U91321, AP000557, AC005358, AL031281, AC006479, AC004751, AC007225, AL020995, AC006241, AC006128, AC009288, AL049636, AC004963, Z93930, AL022332, AF165926, AL022476, AL021937, AC002394, AL049776, U63721, AL022328, AC004890, AL035684, AC005799, Z95889, AC007151, AL024498, AC000353, AL133485, AC007193, AC005768, AC004997, AL031319, AL035659, AF049895, AL023575, AC005065, AC010072, AC005520,

HNGJG75	7822	942946	1 - 1020	15 - 1034	AC005585, AC008115, AC008055, AC005360, AC007537, and AC006013.
HNGJG35	7823	422897	1 - 379	15 - 393	AI580652, AA701121, AA488395, F34795, AF157623, AC005305, AC006479, AC000003, AC004905, AL022323, AC006011, AC004817, U85195, AC004878, AE000658, AL096701, AC005697, AC004935, AL049832, AL031984, AL031276, AF192789, AC006312, AC005940, AC004675, AL031277, D88270, L78833, AF109907, AC005379, AL139054, AC005138, Z97198, Z98200, AL109758, AL009183, AC005244, AL121603, AL049776, AD000090, AC003963, AC006130, AC004499, AC002115, U34879, L24094, AL022145, AF200465, AC006111, AC004098, AC004819, AC007073, AP001172, AL049757, AP000211, AC005722, AC005288, AP000348, AC007666, AL034420, AC001228, AL023879, AC002564, AC005567, AC004858, AC005911, AL031651, AC005071, L14752, AC005703, AL023553, AF088219, AC005667, AC002472, AL049867, AC007630, AF126403, AL031447, and AC000052.
HNGJE38	7824	495689	1 - 616	15 - 630	AA789303, AI810153, and AI914400.
HNGJE23	7825	600366	1 - 1058	15 - 1072	AW303196, AL281881, AW301350, AL284640, AI567076, AW167372, AL042853, AI434695, AL043719, AW274349, AW407578, AA576336, AL119691, AA812139, AW193265, AI350211, AA584201, AA515829, AA127353, AA483771, AI431303, AA502103, AI345654, AI312309, AA716348, AA074130, AI929531, AA577906, AI937850, AA469451, AA405453, AW238278, F36273, AW028392, F18320, AW029038, AI754955, AW167799, AA947547, N75391, AI046409, AI151261, AI688846, AW276701, AW079135, AI254779, AW088846, AI919029, AA639250, AI061143, AI144101, AW021583, AW193432, AA806796, AI783494, AA584752, AI446464, AA640772, R98967, H90844, AW072923, AA649642, AL121235, AW276435, AI339850, AI962050, AA525824, AI696962, AA599920, AI564185, AI586678, AW261871, AI798489, AA490183, AW247819, AI245679, AI281697, AW302013, AI358571, AA502866, AA826303, AI061334, AA621936, AA631507, AA219115, F17891, AI262909, F36306, AL044940, AI085719, AW020992, AI754658, AA713891, AW302450, AW276817, AA578861, AA552856, AA664015, AI559705, AW408047, AA639248, AA552843, AI341548, F17555, H94870, AW089322, AA828042, M86143, AI918421, N64279, AA213741, AA548511, AA594145, AA347368, AA372478, AA502720, AA584176, AA661921, AI344435, AA569471, AI903462, AW327868, AW405021, AA715609, AA728990, AA908357, AI345418, AC008040, X54181, D83989, X54178, X55926, U57009, AP000493, X55923, U18394, X55927, U18391, U18398, AL121603, U18395, X54176, U18393, U18387, I51997, M87919, X54180, Z22650, AC005839, U18392, U18399, U57005, X55925, U57006, U67825, AL078604, X55931, AB001523, AF015160, X55922, AL031587, U57008, X54179, X55924, U67832, AC002527, U18390, AL049776, AF015148, AF090940, U67229, X55930, AL035448, AC005251, AL034451, AL021977, AL031662, X55932, AC006432, AC003950, AC004019, AL031311, U67221, U67221, AC008372, AF006501, AL050306, M37547, AF015156, AL023494, AC007114, AC007193, AL031295, AF117829, U67826, U91326, AC004592, AC007216, AC004522, AJ003147, Z79422, AC004972, AC004884,

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HNGJE08	7826	973790	1 - 534	15 - 548	AL135677, AL109984, AC004063, AL022328, and AC006155.
HNGJE01	7827	973797	1 - 517	15 - 531	
HNGJC68	7828	888447	1 - 334	15 - 348	
HNGJC29	7829	695660	1 - 473	15 - 487	
					W57586, AW194627, W93807, A1079554, AW243050, AA279011, A1281191, A1143216, AA983569, AW294001, A1392855, AA557282, N49211, A1765833, A1335326, AA292772, AA705078, A1338729, A1241107, AA476900, AA251779, A1963754, A1087153, A1636442, A1857402, A1949689, A1763030, A1884606, AA704804, AA731007, A1376580, AA921827, A1032953, A1823966, A1915274, AA767672, AA522479, A1968828, A1797706, Z74023, AF131220, and AF172244.
HNGJB49	7830	723004	1 - 699	15 - 713	N63664, N59771, N91071, A1084981, N78232, R00854, and R01507.
HNGJA75	7831	888461	1 - 407	15 - 421	AC004908, AL031259, and AC004842.
HNGJX71	7832	760398	1 - 455	15 - 469	R94022, and T95558.
HNGIW45	7833	717698	1 - 360	15 - 374	A1133083, AW081303, A1798493, AA128511, AW410354, AL047349, AA630245, AA486568, AA522202, AW020088, AA604831, AW191886, A1915293, AW022934, AW021161, AL049872, Z82178, AC003098, AC006538, AC004881, AC004491, AF207550, AL022302, AC005756, AC002470, AC007193, AC006160, AC005368, AC004757, AC005619, AL021707, Z84480, AC002544, U62293, AL031728, AL049569, AC007686, AC002398, AF053356, AC005821,

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HNGIS92	7834	792748	1 - 528	15 - 542	R19806, and AC004169.
HNGIS70	7835	757216	1 - 682	15 - 696	H96207, and AL572367.
HNGIS02	7836	920221	1 - 529	15 - 543	AL565849, and AL375659.
HNGIR10	7837	964715	1 - 487	15 - 501	AW005230, AL598235, AL1918190, AW004702, AL655877, AW264973, AA640272, AW088202, N34704, N71724, AA340960, AA133986, AF177861, AA344959, AL138421, AJ003147, AC020663, AC007228, AC004890, AF091512, AC005261, AC004821, AF134726, AL050097, AC006478, AP001068, AP001067, AJ011930, AL035658, AB011129, AC007488, AL096867, AD000092, AC006059, AC003006, AC006548, AC006213, AC007204, AC007182, AC005387, AC004382, AF001549, AC007011, AF106656, U67213, AL022238, AF030453, AC005519, AL031662, AC006285, AC005088, AC007845, AC002404, AC006277, AC016025, AC005839, AC005666, AP000474, AC005696, L44140, Z99758, AF053356, AC005772, AC006543, AL021918, AJ012197, AC005829, AL109621, Z86090, AC007387, AC006552, AL031685, AC005412, Z54334, AL132992, AC006544, AC006480, AC004783, AL133238, AP000115, AC002306, AC006323, AC006222, AC007666, AC005913, AC000052, AF207550, AL021707, AC006539, AC004019, AC002991, AC004816, AC006116, AL109798, AP000355, AC006538, AC002492, AC008372, Z85997, AC005215, AP000503, AC005694, AL031286, and AC003003.
HNGIQ78	7838	772866	1 - 405	15 - 419	

HNGIQ71	7839	495771	1 - 494	15 - 508			AA458777, AC007387, and AC006544.
HNGIP47	7840	720374	1 - 437	15 - 451			AC007011.
HNGIP27	7841	860515	1 - 590	15 - 604			
HNGIO64	7842	487439	1 - 511	15 - 525			
HNGIOS2	7843	727196	1 - 621	15 - 635			N400971, and AA644354.
HNGIL94	7844	793171	1 - 383	15 - 397			AL826442, R43468, AI919265, AA768079, H48670, AL078474, AL023876, AC006211, AC005215, AC002418, AC004386, U47924, AL050307, AL022326, Z69709, AB023048, AC004650, AC007537, AL031255, AC005940, AP000150, AL034379, AC006273, AC004526, Z95115, AC005280, AP000009, AC004765, L05367, AC005480, AL031589, AC007546, AL133245, AL121655, U91323, AL049843, AC006064, AC007540, Z84469, AC002351, AC005694, AC007030, Z82178, Z93023, AL009179, AL035072, AL008582, AC007225, AC005399, AL021155, AL031680, AC004673, AC004812, AL109623, AL031587, AC007066, AL022318, AL109865, AC004019, AC005914, AL035398, AC004897, AC005529, AL034420, AC007421, AC002126, AC006312, AC006365, AL049869, AC004859, U62317, AL122020, AL049759, and AL096703.
HNGIL84	7845	781970	1 - 959	15 - 973			W81663, AL375213, W81222, and AF086461.
HNGIL82	7846	812699	1 - 355	15 - 369			AL755214, AL754567, AI754170, AJ348597, AI754105, AW069412, AW069227, AA503298, AI634187, AA833875, AA833896, AI701950, AI701942, AI613389, AI133083, AA768340, AW075132, AA192293, AI249688, AL037927, AI362552, AA600202, AI469599, AI446474, AI583142, AI590458, AI457313, AW419389, T47138, AA714011, AA706495, AI004591, AW304580, AW190484, AI267356, AI251429, AA644090, AI569982, AL079734, AW161016, AL036070, AI038304, AI254779, AW089016, AI653636, AI536834, AA654781, AA568314, AW192599, AI569100, AI053786, AI570943, AI590499, AA297776, AI921744, AW105463, AW275432, AW023672, AW021154, AA559241, AI267450, AA779783, AA524616, AA507282, AI635609, AI566408, AI371208, AA299589, AI565126, AI610737, AA405726, AA262752, AA809546, AI732720, AA492105, AA832145, AI791659, AI078409, AW105729, AI570805, AA218720, AA864426, AA526625, AA526326, AI912401, AW151247, AA456924, AA176605, AA579152, AA657374, AA487226, AI431513, AL040054, AI745335, AC004655, AC005535, AP000048, Z98036, AC007292, AC004216, AC005839, AF111168, AC007792, AC004517, AC004472, AC005907, AL031447, AB015355, AL122020, AC004983, AC004034, AL031433, AP000952, AC006111, AC002350, AC007066, AC004865, AC005067, AC005529, AC003963, AL033527, AC005736, AC005218, AC004884, AL031311, AC000353, U85195, AL133448, AP000212, AP000134, AL031685, L44140, AC002480, AL022238, AF000030, AC004009, AC006130, Z93096, AC016025, AC004838, AL031432, AE000658, AC005548, AL035072, AC004686, AC004228, AL031284, AC004650, Z92542, AL022323, AL109628, AL034420, AC005378, U07563, Z97183, AC005696, Z93023, AL133245, AL049776, AC005520, AC005081, Z98950, AC006285, AC005632, AF196969, AC005971, AF207550, AC005606, AC002347,

					AC003025, AC004079, AC007676, L78810, AC004859, AP000555, AL022320, AL022721, AJ011930, U80017, AC005730, Z85986, AF139813, Z98941, AC005914, Z30979, AC005682, AP000512, S42653, AC003982, AC006576, AC007731, AL133163, Z99127, AC006441, AC005363, AL023553, AC005500, AC002070, AC008928, M87889, AL008722, AC004973, AL022396, AC005332, AC006459, AC004999, AL079295, U95740, I34294, AC002119, U95090, AP001052, AL035447, AC004644, AC006026, AL034379, AC005288, AC005820, AP000089, AC005094, AC004477, AC005331, AC004821, AC002045, AL079304, Z94036, U50871, AC006511, AC005330, AC003041, AL133312, AC005625, Z83844, AC003007, AL031777, AC007225, U91321, AC005193, AC004922, AL031228, AC002073, Z94801, U73169, AC007993, AL022326, Z54246, AL049766, AC005399, AC004491, AC005261, AC000159, AL080243, AC004531, AC005899, AC004876, AC005523, AL035458, AL022322, AD000092, AB026898, AC004805, AL035562, AP000697, AC004953, AC004253, AC002483, AC007011, Z97181, AL020997, AF053356, AC004408, AP000502, AC009509, AC004778, AC002565, AL022316, AC005520, U08988, AC005568, AC005781, AC005412, AC007546, AC008134, AC010077, AC006372, Z97352, AP000505, AC006261, AC008981, AL109758, D86991, AC004804, AL109939, AL049757, AC004000, AC005245, AC006057, U95742, AB023049, X74558, AC005620, AC003046, AL031584, AC004019, AF001548, AL022165, AC004223, AC000025, AC006312, AC007057, AC005844, AL096701, AL122023, AC002301, AC004534, AP000116, AL121653, AL020996, AL109984, AC005562, AC008044, AB025285, AB016897, AC005180, AL033547, AC002563, AC007358, AC006512, AC006155, AF134726, AC002303, AC004813, AC005754, Y14768, AC005722, AC006046, AC005215, AC006077, AC005829, and AC005318.
HNGIL51	7847	725003	1 - 434	15 - 448	AA883992.
HNGIL22	7848	860525	1 - 383	15 - 397	AA856923, N68820, AA077081, U68061, AL022241, and AC004830.
HNGIJ51	7849	868068	1 - 611	15 - 625	AA845599, and AL079672.
HNGHY44	7850	973977	1 - 437	15 - 451	AI708005, AW078495, AA375579, AA441788, AI886085, T58469, AA528195, AA502103, AA176970, AL460390, AL040115, AA515938, AA604607, R79654, AA199660, AI358513, AA494075, AA578711, AL648440, AA179165, AI653936, AI675590, AA341941, AI373405, AA722049, H96823, AL424064, AW028950, AA583579, AW151762, AL439450, AI061054, AI270656, AL453458, AA197089, AI365618, AA581342, AW080963, AI889539, AL042213, AA583568, AA780528, AA402709, N86047, AA653291, AA297496, AA346861, AI310343, W01078, AI800345, AA161181, AA653327, AI735200, AA838162, AA706845, AA226346, N73203, AA196390, AA487872, H90403, AW022292, AA191389, W95985, N40689, AA382102, AA663086, AA663115, F23263, AA357240, AA652057, AA649642, AA016286, AA491889, L81415, AC005755, AP000345, AC008929, AF157623, AC006084, AC004820, AL031650, AC005863, AF053356, AL035587, AF045555, AL035695, Z83840, AC002064, AC005081, AF039396, AC004549, AF067574, AC005562, Z99496, AC008072, L48038, AC005175.

HNGHO94	7851	793271	1 - 205	15 - 219	AL022237, Z93016, AC004841, U18671, AC006127, AC004525, AC002303, AC004686, Z97181, AC005602, AC005067, Z85996, AC007899, AC002984, AD001527, M63543, X55448, M63544, AC005049, AD000092, AC003086, Z84476, AC007279, AL096791, AL049594, AC005881, AC007738, AL049781, Z82246, Z69920, AC005944, AL034429, AL049765, AL049869, U62317, AL031116, AC004622, Z95115, AC011604, AC006960, AF015262, AJ229043, AC004605, AF015165, AC004933, U75285, Z48051, AC007059, AC004462, AC006275, AC005625, AC006162, AL034582, AP000455, AC008103, AP000008, AC005213, L77570, AP000704, AC001231, AC006316, AL132716, AC006948, AL080243, AL121576, L44140, AC000003, AP000555, AJ250235, AP000144, AL109967, AC002331, AC002465, AC006946, AC005952, AL080313, AL035530, AL023653, AC007390, AC002316, AP000549, AC007766, AL034377, AC009044, AC009263, AF109907, AC007276, AJ000501, AL118516, AC004161, AC007096, AC005018, AF124523, AC002551, AL049795, AC018633, AL135746, AL117693, AL050308, AF001550, AC004491, AC000026, AL022325, Z81314, AF035397, AF003627, and AC004856. AC004967.
HNGHM61	7852	576221	1 - 483	15 - 497	
HNGHL46	7853	860541	1 - 517	15 - 531	AA078128, AL049576, AF053356, AC004895, AC005520, AC005071, AC004686, AC004595, AC004813, AC007688, AC002312, AP000555, AL133245, AC005015, AL109963, AL035587, AL031846, AF047825, AC004883, AL022316, AC007055, AC005484, AC005225, AC005081, AL031589, AC004854, AF205588, AL035422, AL049780, AC010205, AL121603, AC007938, and Z93023.
HNGHJ01	7854	916757	1 - 517	15 - 531	AA629328.
HNGHG39	7855	860554	1 - 388	15 - 402	AL003408.
HNGHD68	7856	576315	1 - 493	15 - 507	
HNGGV02	7857	920377	1 - 439	15 - 453	AC002554.
HNGGT08	7858	959649	1 - 374	15 - 388	T91220, AA258779, AC009731, and AC004530.
HNGGP91	7859	576251	1 - 457	15 - 471	R73389, R73388, and AC005015.
HNGGP55	7860	578450	1 - 251	15 - 265	AP000523.
HNGGL74	7861	765644	1 - 815	15 - 829	AW406755, AL305766, AL358229, AL037683, AL284640, AW085794, AW023672, AL350211, AA719805, AW193265, AL042856, AA810318, AW419262, AW088846, AL963720, AL334443, AL079645, AA573020, AA649642, AL270117, AL569086, AA482711, AA657835, AW088202, AL954260, AL044940, AA551503, T29180, AL138455, AL368745, AW249224, AL865364, AW020141, AL431303, AA259245, AL079910, AA244357, AL688846, AL110770, AL003611, AW080134, AL133723, F29989, AL046409, AL365988, AW327868, T40617, AW339687, AL821918, F18974, AA344959, AL635272, AW019964, AL358501, AL223616, AA843450, AW264973, AA669251, AA834792, AA559290, F36273, AL434706, AA652057, AA482806, H02631, AW069481, AF177861, AA774184, AA665330, AW088616, AL821881, T91187, AA631507, F28576, AL613280, AW276435, AA449088, AA350859, AA347927, AA148489,

HNGBF86	7862	860568	1 - 414	15 - 428	AA604897, AA359958, A1345675, AW406447, AC002316, AC005699, AC018767, AC005690, AC005194, AC003084, AC007402, AC005520, AL031311, AC009300, AF064864, AF165176, AL031774, AC002384, I51997, AC008134, AC006013, AC008067, AL078603, AC004523, AC002368, AC008055, AC006143, Z95114, AF055066, AC005066, AC002523, AC004948, AP000477, AC007050, AL022723, AC002492, AC018769, AC005157, AL022726, AJ229041, AC005701, X54175, AP000095, AF165175, AL117338, AP000239, AC005177, U57009, X54181, AL022396, AC008072, AL121718, X55926, U18394, AL117693, U18391, AP000521, AC003109, AC005288, AL049562, AJ133269, AL049633, AC005592, AC007240, Z83841, Z82194, AR036572, U91328, AF130343, AC004866, U67221, Z98950, AC000119, AC004966, AC003088, AF178030, AC006019, U18399, AL032821, AL132985, U18387, D83989, X54178, X54180, AL049781, U18395, AL031230, AL008629, AC006037, AC007110, AB020876, AC002066, AC004448, AC007687, AL121652, AL110505, AP000159, AL021917, AC000403, U57007, AC007189, AJ239322, U18393, AL031073, AC006573, X55925, AL135746, AC005968, U18398, AL035671, X03272, AC005069, U18392, AC008119, AC005661, AF043945, X54176, AC006961, AC006322, U57006, AL022574, AC004944, X55924, U57005, AL022162, AL078624, AC005704, AC004783, AF015720, AC007652, X55931, AC006959, AL031054, X55927, AC007380, AC004020, U67832, AL078613, AC005939, AC004785, AL096791, AL096867, AL121577, AL031686, Z93928, A39972, AL031656, AC001164, AF003626, AP000245, AP000035, AC006512, AF019114, AC004883, AL035697, AC016831, U57008, AC006525, M96868, U91326, Z22650, U18390, AL049691, AL133241, Z97054, AL035552, AL050308, AC004964, AC002984, AC005548, AL035604, AC002422, X55932, AC005279, AL033525, AC009223, AF179633, AL136018, AF027390, AC005772, AL035667, AL117356, AC010072, AL049576, AF126403, AC007666, AJ006997, AF000563, AL133245, AC005479, AL035448, AF227510, AL096703, AF038458, AL109967, AC006032, AP001051, AP000065, X54179, AL079340, AL078477, AC005994, Z94044, AC004383, AL008634, AC004019, U18396, AP000402, AC004170, AP000133, AP000211, U03115, X55928, Z84489, AL133382, AF205588, AC006530, and AL109837.
HNGBF86	7862	860568	1 - 414	15 - 428	
HNGBB58	7863	738213	1 - 359	15 - 373	R62392.
HNGBB28	7864	703315	1 - 295	15 - 309	AA679811, A1767394, and AF000523.
HNGBF89	7865	506492	1 - 641	15 - 655	C15076, D59467, D59787, D80164, C14389, D59619, D80210, D80240, D80195, D58283, D80391, D51423, D80196, D80219, D51799, D80253, D80227, D80188, D81030, D80022, T03269, D59927, D80166, D81026, D80193, D80212, D59859, D80038, AA305409, D80043, C14331, D59610, D59502, D59275, D57483, D80366, D59889, D80024, D80269, D80064, C14298, D50979, D80241, D50995, D51060, D59695, D80522, AW378532, C75259, D80378, F13647, D51022, C14429, D80134, D80045, C14014, AW178893, AW179328, D80251, AW177440, AA305578, AW178775, AW369651, D80248, AA514186, AW352158, T11417.

					<p>D58253, AW178762, D51250, AA514188, D80133, Z21582, AI557751, C05695, AW177501, AI910186, AW177511, AW360811, D80268, AW352117, AI905856, C14407, AW176467, AW375405, D80258, D80132, AW377671, AW378540, C14077, AA285331, AW366296, D80247, AW360844, AW360817, AW375406, D80439, AW378534, AW179332, AW377672, AW179023, AW178905, D59373, D80302, AW352171, AW360834, AW377676, AW178906, AW352170, AW177731, AW178907, AW179019, D58246, AW179024, D51213, AW177505, AW360841, AW179020, AW178909, AW177456, C06015, AW179329, AI557774, AW178980, AW177733, AW378528, AW178908, D51097, AW178754, AW179018, AW352174, D80157, D59627, D80014, AW179004, AW179012, AW178914, AW378525, D51103, AW367967, D51759, C14227, AW177722, AW177728, D81111, AW179220, AW179009, AW178774, AW178911, AW378543, AW352163, C14975, AW178983, AW352120, T03116, D58101, D59653, AW178781, D59503, T48593, T02974, H67866, D45260, AW177723, AA809122, AW177508, AI535850, H67854, AW378533, AW367950, D80168, C03092, AW378539, D51221, AW177497, AI525923, AW178986, D45273, D80228, AI525917, C14973, D80949, AW177734, D59317, D50981, D59474, AI535686, AI525920, C14344, AI525215, AA514184, AI525235, C14957, D60010, D59551, D60214, AI525227, C14046, H67858, AI525912, AI535961, T03048, AI525242, AW378542, AI525925, AI525222, Z33452, C16955, C05763, D51079, D51053, Z30160, AW360855, AR018138, A62298, A62300, A84916, AI132110, A25909, X67155, A67220, Y17188, D26022, D89785, A78862, D34614, AR008278, AF058696, D88547, AB028859, X82626, AR025207, Y12724, A82595, AR060385, A94995, AB012117, AB002449, X68127, AR008443, A85396, AR066482, A44171, I50126, I50132, I50128, I50133, A85477, I19525, A86792, U87250, X93549, AR066488, AR016514, AR060138, A45456, A26615, AR052274, Y09669, AR038669, A43192, AR066490, A43190, AR066487, A30438, I18367, I14842, D88507, AR054175, D50010, Y17187, AR008277, AR008281, A63261, AR008408, AR062872, A70867, AF135125, AR016691, AR016690, U46128, D13509, A64136, A68321, AR060133, I79511, AB023656, U87247, AB033111, AR064240, U79457, AF123263, X93535, AR032065, and AR008382.</p>
HNGFX75	7866	608695	1 - 1016	15 - 1030	<p>AI061313, AW167154, AI246996, AA135761, AL119838, AI281818, H63092, AA484892, F24745, AA578690, AI270476, AI598003, AA634837, AA728911, AW238121, T05118, AA809546, AA441810, AF139813, AL049776, AC004228, AL121658, Z96074, AC006205, AL031311, AC003025, AC006480, AC004014, U91318, AC002464, AC007537, AC005049, AC005372, AC006430, AL049780, AL049843, AC008101, AP000557, AC006230, U82668, AL122020, AC008115, AP000044, AP000112, AC002132, Y18000, AC006064, AC006449, M87889, AC005387, AC004408, AF129756, AC006511, AL031670, AC002996, AL008726, AC004584, AC005529, AL021393, AF196779, AC007421, AC004686, AL008627, AL021155, AC006538, D87675, Z82203, M59199, AC005829, AL135744, AF050154, AC006597, AC002072, AC002314, AC005682, AC008055, AC005005, AL035697, AC005363, AC008079, AP000134, AP000212, AC000003, AC005620, AC004743, AL049795, AL122023, D84394, AC006013,</p>

HNGFU33	7867	702584	1 - 675	15 - 689	AC006547, AC005747, AC005874, AF134471, AL049832, AL078581, AL139054, AC004491, AC009501, AL031589, AC004144, AC005726, AL133448, U95090, AC005536, AL008718, AC004858, AC005225, AC003101, AC004386, AC005399, AC004551, AP000152, AJ246003, AF070718, Z95331, AC004534, AC007324, AL050318, AC003955, Z83826, AC004967, AC005480, AC005799, AL031281, AC003688, AC005694, AC005955, AC007263, AC004812, AL080243, AC005920, AP000553, AL022163, AC007919, AC005081, AC007227, AP000556, AL096701, AC005722, AL049569, AP000509, AL035086, AL035659, AC005899, AC000134, AL021397, AL022334, AC004849, AC007226, M29929, AB025285, AC000070, AC007774, AC005696, AF111168, AC007160, AC005378, AL031587, AC004975, AC006137, AC004685, AC002287, AC004552, AL049636, Z83822, AL049653, AC004913, AC004655, AC005527, AC006241, AC008122, AL022318, AC007216, AC004472, AC003043, AC004125, AC000063, AL050307, AB001523, U89335, AL117694, AF109907, AL109627, AL022166, AL022313, U95739, AL049643, AC004854, and AC005608.
					N45312, AJ761447, AI636286, N71104, AI636173, AI143859, W68421, W68519, AI561031, AW381539, AI589337, AA778620, AA771992, AA744429, AA921991, AW196737, AW381478, AW381460, AA889180, W05847, AI370531, and AI932774.
HNGFT02	7868	920480	1 - 307	15 - 321	AA716766.
HNGFR06	7869	935821	1 - 510	15 - 524	R61534, AI681105, AW082635, H00958, AI871530, AI986039, and AI378964.
HNGFP92	7870	842276	1 - 609	15 - 623	
HNGFN70	7871	872950	1 - 331	15 - 345	
HNGFM17	7872	664280	1 - 623	15 - 637	AC005316, and AC005317.
HNGFK34	7873	703419	1 - 296	15 - 310	H66970.
HNGFI11	7874	967304	1 - 406	15 - 420	AA226156.
HNGFH90	7875	789066	1 - 493	15 - 507	AA081717.
HNGFH58	7876	738240	1 - 515	15 - 529	H63640, T79700, AI657076, AB011135, AC005829, AC005670, AC005332, AC004675, AF088219, and AC007993.
HNGFH30	7877	823363	1 - 2788	15 - 2802	AI889426, AI433104, AI921744, AA130647, AI732911, W96277, AW408643, AA634991, AI679002, AW089625, AA534064, AA658844, AA650623, AA626632, AA595370, AL134940, AI583532, AA486896, AL040921, AW167330, N70044, AW406447, AA831913, AI457389, AI820992, T57096, AI709211, F32373, AI192631, AI110760, AA825954, AI832865, AI128899, AA584482, AW272294, AA225406, AI890324, AA503298, AA916430, AI560241, AW069227, AI687343, AI635028, AA609826, AA078849, AW190484, AA456924, AA707758, AA608588, AI984168, AA424078, AA665449, AA020873, AL037927, AI371208, AA299589, AI565126, AI610737, AA405726, AI888468, AA773098, AI282253, AW410195, AI370170, AW084445, AW268329, AW023111, AA720582, AI870453, N72678, H53546, AA608612, AA630854, AI634187, AA809546, AA584489, AW083934, AI090377, AI889579, AA021561, AI199816, AW068596, AI572680, AA805869, AA297776, AC004883, AF111169, AL021707, AC006057,

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HNGFG10	7878	968059	1 - 1028	15 - 1042	AA025836, AA025837, AA723506, AA457243, and AA457244.
HNGFF50	7879	941480	1 - 2217	15 - 2231	AC005342.
HNGFE75	7880	486855	1 - 549	15 - 563	AL049594.
HNGFES8	7881	871493	1 - 620	15 - 634	AA148705.
HNGFA23	7882	927579	1 - 236	15 - 250	AA953959.
HNGFA18	7883	666626	1 - 383	15 - 397	AA029118, AA770385, and AA629144.

HNGEY55	7884	888324	1 - 363	15 - 377			
HNGEY38	7885	868073	1 - 538	15 - 552		T25322.	
HNGEX10	7886	860615	1 - 639	15 - 653		AA593968, and AW138070.	
HNGEW38	7887	573234	1 - 799	15 - 813		H22044, AA354647, AL042044, AL008724, AL033538, AB028966, and AL080174.	
HNGEU20	7888	669811	1 - 522	15 - 536		R76032, and R30916.	
HNGET91	7889	789373	1 - 403	15 - 417		R68338, and R31248.	
HNGER86	7890	578910	1 - 250	15 - 264		AA721530, AA376872, AA493731, AA620373, T97368, AA728925, AA719292, AW028089, AA167335, AA086435, AA173071, AL040154, N23840, F00979, AA004654, AA776194, AA330897, W86573, AA554257, AA728963, W81359, T89855, AA206062, AA070740, N23062, AA425744, AA167159, N40815, T72218, AA984222, H86041, AA640252, T53253, T61555, AA526099, AA608570, T47889, R92217, R89784, AL034429, AC005519, AF064865, AL049757, AL034369, Z95152, AC004475, AL135959, AC004031, AC005905, AC005089, AC006333, AL022241, AL132826, AL034376, L77036, AC000352, Y11107, AC004753, Z82176, AC005502, AC005685, AC003963, AC005074, Z82243, M89651, AL031602, AC004775, AC006599, AP000223, AL008637, AP000008, AP000086, AC006959, AC004910, AL034553, AC004917, AC005924, Z98052, AL031276, AL049643, AC006148, AP000704, AP000547, AC004638, AF030453, Z84466, AC004525, AC006001, AC004590, AC003029, AC004820, AC004671, AC004701, AC004768, AL024509, AL035685, U91323, AC005082, AL080243, AC010582, AC005736, and AL049635.	
HNGER73	7891	578909	1 - 312	15 - 326			
HNGER62	7892	578922	1 - 293	15 - 307			
HNGER61	7893	578907	1 - 312	15 - 326		AL117546.	
HNGER50	7894	576479	1 - 304	15 - 318		AA657451, AA744068, AA745459, A1783581, AA872180, AA745393, AA745533, AA024691, AA347979, AA744084, AA603881, AA650175, AW076090, AA083028, AA610432, AA085372, AA429197, AA429020, A1826253, AA631359, AA873176, AA461617, A1580250, AA601218, AA594220, AA502991, AA290878, H60533, A1251591, A1679782, AA486559, AA811208, AA668387, AA601327, AL035659, U08988, AR036572, AC004890, AP000088, AL139054, AL096701, U91328, AL035249, AC002988, AC002072, Z93241, AL023803, AC005971, AC008040, AP001053, AC006276, AC005102, AC004216, Z86090, AL049766, AL022238, AC002073, AC005291, AL034423, AC005280, AC004796, AC002352, AP000140, AC005255, AP000553, AP000557, AC009516, AL121655, AC002477, AL049776, AC004656, AC006312, AC003038, AP000045, AC005763, AC007308, AL121658, AL132985, U80459, D83253, AC009247, AJ246003, AL133382, AL031390, AL031685, AC005519, AL022476, AP000694, AL023553, U80017, AL080243, AC004019, AC006441, M89651, AL022326, AC002430, AC005531, AP000228, AL133448, AC003070, AC004905, AC006001, AC000095, AL033524, AC010382, AC007384, AL024498, D84394, AL035587, AC005514, AP000501, AC005391, AC006449, AF207550, AC005666, AC005736, AC007542, Z95116, AC006960, L34079,	

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HNGER38	7895	578908	1 - 286	15 - 300	
HNGER26	7896	860623	1 - 394	15 - 408	
HNGEO79	7897	951489	1 - 782	15 - 796	AW403530, C14389, C15076, D59467, D80164, D81026, D59787, D80195, D59502, D81030, D80166, D80022, D59275, D80227, D58283, D80391, D59859, D80193, D59619, D80210, D80240, D59610, D51423, D51799, D80253, D80043, D80038, D80269, D80196, D80212, D50979, D80219, D80188, D59927, C14331, D57483, D80366, D59889, D80241, D50995, D80045, D80251, D51022, D80378, AW177440, AA305409, D80024, C14429, D52291, AW378532, AA305578, D51060, C75259, T03269, D80522, AW178893, C14014, AW179328, T11417, AA514188, D80248, D51250, AW369651, AW352158, D80134, AA514186, D58253, AW178762, C14077, AW178775, D80133, AW177501, AW177511, D80132, AW176467, AW360811, D80268, F13647, C05695, AW352117, C06015, AW377671, AW375405, D80302, AW378540, C14407, AL910186, AW366296, AW360844, AW360817, AW375406, AW378534, AW179332, AW377672, AW179023, AW178905, AL557751, AL905856, D80439, AW352171, D51213, AW377676, D80247, AW178906, AW352170, AW177731, D59373, AW178907, AW179019, AW179024, Z21582, AW177505, AW179020, AW360841, AW178909, AW177456, AW179329, AW178980, AW177733, AW378528, AW178908, AW178754, AW179018.

HNGEN04	7898	586457	1 - 331	15 - 345	AW352174, AW360834, D80258, D80014, D51103, AW179004, AW179012, AW178914, AW378525, D81111, C14227, AA285331, D59627, D51097, D80157, D58246, AW367967, AW177722, AW177728, T02974, AW179009, D51759, AW178774, AW178911, AW378543, AW352163, D59503, AW178983, A1557774, AW352120, AW178781, T48593, D80168, D58101, D59653, AW177723, A1525923, A1535850, AW177508, H67866, D45260, T03116, D51221, C14975, AW378533, C03092, AW367950, AA809122, H67854, AW177497, D80064, AW178986, D59317, A1535686, AW177734, D45273, C14973, A1525917, D60214, D80949, D59551, D51079, A1525227, C14344, D59474, A1525920, D60010, AA514184, C14957, A1525925, C14046, T03048, A1525235, A1525242, A1535961, AW378539, A1525215, A1525912, AW378542, H67858, C16955, C05763, Z33452, A1525237, A1525222, C14298, D59695, C13958, AW360855, AR018138, A84916, A62300, AJ132110, A62298, AF058696, A25909, X67155, Y17188, D26022, AR008278, A67220, D89785, AB028859, A78862, D34614, D88547, I82448, X82626, Y12724, AR025207, A82595, AR060385, AB002449, A94995, AR016808, AR008443, AB012117, I50126, I50132, I50128, I50133, X68127, A85396, AR066482, A44171, AR066488, AR016514, A85477, AR060138, A45456, I19525, A26615, AR052274, A86792, U87250, X93549, Y09669, A43192, A43190, AR038669, I14842, AR066490, AR066487, A30438, I18367, D88507, AR054175, D50010, Y17187, A63261, AR008277, AR008281, AR008408, AR062872, A70867, AR016691, AR016690, U46128, D13509, AF135125, I79511, A64136, A68321, AR060133, AB023656, U79457, AF123263, AB033111, AR032065, X93535, and AR008382.
HNGEN04	7898	586457	1 - 331	15 - 345	
HNGEK57	7899	734923	1 - 293	15 - 307	AA080935.
HNGEK16	7900	578914	1 - 441	15 - 455	AC004674.
HNGEI44	7901	800199	1 - 389	15 - 403	AL008628.
HNGEI11	7902	967314	1 - 439	15 - 453	AA176651, AC006011, AC005204, AC011604, AC004610, AC003077, and AC005337.
HNGEG07	7903	953658	1 - 609	15 - 623	AA457286, and AC005920.
HNGEF81	7904	570236	1 - 274	15 - 288	AP000344, AC007663, AC006549, AC000097, and AC006547.
HNGEE10	7905	968043	1 - 602	15 - 616	AA176861.
HNGED92	7906	654085	1 - 686	15 - 700	AC005823.
HNGED46	7907	838885	1 - 429	15 - 443	AI242667, AW271430, AC007313, AC002369, and AC005034.
HNGEB84	7908	783132	1 - 336	15 - 350	AL046060, I69835, N69499, and AL008718.
HNGEA17	7909	561293	1 - 249	15 - 263	
HNGDZ93	7910	888677	1 - 214	15 - 228	
HNGDW53	7911	973311	1 - 502	15 - 516	
HNGDW19	7912	502499	1 - 434	15 - 448	
HNGDV38	7913	572912	1 - 215	15 - 229	
HNGDV26	7914	572906	1 - 287	15 - 301	AA707705, AA707782, AC004788, AC005208, AC006213, AC002426, AL021939, AC010206,

						AC002040, and AC004822.
HNGDV15	7915	572902	1 - 283		15 - 297	AC005799.
HNGDV02	7916	920504	1 - 258		15 - 272	
HNGDV01	7917	916989	1 - 297		15 - 311	AC005669.
HNGDS21	7918	396889	1 - 700		15 - 714	AP000547, and AL121825.
HNGDR65	7919	572896	1 - 239		15 - 253	
HNGDQ68	7920	753164	1 - 553		15 - 567	AA085245, AA355671, AL137191, and U15177.
HNGDQ56	7921	733550	1 - 435		15 - 449	T52788.
HNGDO68	7922	753580	1 - 257		15 - 271	R00963, M62017, and AC005753.
HNGDO54	7923	521883	1 - 356		15 - 370	AW151587, N34413, R52428, AA548692, AA372303, AA442528, A1821985, AA947534, A1732860, AA524832, A1446259, AW245354, A1049709, AA828641, A1744949, AL135744, AC006948, AL021578, Z93023, AL021368, U95626, AL031120, AC007537, AC007919, Z84477, AC006127, AL050348, AJ246003, AC005839, AC007283, AL022098, AL079304, AL034371, AL109798, AC003963, AC006511, AC006996, AC005178, Z93783, AL096791, AL021938, AC004526, AL121754, AC005971, AC005722, AC005756, AC004150, AL049539, AP000023, AL035071, U91321, AC004821, Z69917, AL022719, AL031985, AC003663, AL035088, AC004975, AL079342, AC005354, AC006317, AL133163, U07562, AC008009, AL049829, Z83844, AC004106, X71342, AC005274, AC005841, AL109627, AL031311, Z93241, AC003099, AC005293, AL034555, AL121658, AC004477, AC005598, AL117352, AL035423, AC016025, AC009247, AC003104, Z94721, Z98886, AC005179, Z85987, Z98949, AL031602, AC005037, AC004967, Z97054, AC005288, AC005695, AB001523, AC006241, AC007395, AC002316, AC006120, AL049780, AL031775, AF196779, AC004167, AL035422, AC004584, AC004675, AC005369, AC004587, AF064861, AF205588, AC004933, AL035658, AL031589, U52427, AC007421, L78833, AC007731, AC012627, AC007917, AL121653, AL078644, AC005620, AC005738, AC005548, U95742, Z85986, AC004887, AC004033, Z84484, AF088219, Z97205, AB023049, AF069291, AP000132, AP000210, AL035400, AC005940, AC005531, AC005678, AP000356, AL022324, AC007216, AP000088, AC004491, AL022336, AC005874, AF134471, AC005815, AC005899, AC020663, AC007358, AC000052, AC005041, and AL078477.
HNGDO53	7924	574450	1 - 204		15 - 218	
HNGDO52	7925	868772	1 - 300		15 - 314	AI093647, AA716146, AA749073, R49009, AA506527, AI073736, AI191643, R45527, AI394236, AI278266, AA988102, AI123578, AI201722, AA010543, AA729674, AI953613, AA977224, AW084266, AI471058, AI127344, AI079368, AI355607, AI890557, AI081829, W87769, AA236572, AW407241, AA358614, AA402984, H69243, AI701110, W94570, R45526, AA679112, R37845, AA424401, AI910481, AI347131, and AA402135.
HNGDO40	7926	574449	1 - 152		15 - 166	AC005950, and AC001228.
HNGDO30	7927	574446	1 - 119		15 - 133	AC007785.

HNGDO29	7928	526804	1 - 333	15 - 347	
HNGDO18	7929	526514	1 - 403	15 - 417	AC006376, L38797, AL121934, AC004236, and AL117327.
HNGDO06	7930	936059	1 - 335	15 - 349	AC006367.
HNGDO05	7931	932400	1 - 129	15 - 143	
HNGDO04	7932	523469	1 - 325	15 - 339	Z78304, AF000113, AF000045, and AC006071.
HNGDM11	7933	967512	1 - 522	15 - 536	R78482, AA649326, and AW303334.
HNGDL51	7934	860671	1 - 1029	15 - 1043	AW378532, C14014, H73550, D80164, AA547979, W61253, C15076, D80045, AL1791227, AC003684, AC002519, AC002073, AL022165, AC000403, AC002559, AC004983, AL109755, AC007285, AL031293, AC007225, Z95116, AC006312, AC004707, AL020995, AL050307, AL022316, AL034429, AC007151, AL121595, AL022238, AC005971, AC002326, AL049765, AL031320, AC004876, AC008101, Z98200, L44140, AC002425, AC005071, AC006014, AF001550, AC003962, AL022329, AC005005, AC004966, AC005620, AC006012, AC007227, Z46936, AF111167, AC002350, AC005488, AC016027, AC005412, AC016830, AC004216, AC008079, AC005519, AC006965, AC002563, U07563, AC004517, AL034423, AF001552, AC004671, AL031591, AL035587, AP000356, AC000353, AL031670, AL031427, AC007011, Z97054, AC003012, AC002072, AC004967, AC002312, AC006388, AC004616, AC005736, AL096791, U47924, AL078584, AL031121, AC006023, AC005527, AC005667, AC008040, AC004882, AP000045, AC005086, AC004522, AC006011, AP000055, AP000170, AP000123, AC003026, AC005808, AC005821, AC005332, AL035086, AL133485, AC008044, AC006001, AL033521, AC002381, AC004531, AL031291, AC007637, AC004921, AC004662, AC005015, Z95115, AC005696, AC005839, AL133396, AC004832, AC002302, AL049776, AC002543, AL035400, AC018633, AL030996, AC005197, AP000313, AC004914, Z97053, AC005881, AL049631, AC004848, AL022336, AC005678, AL022476, AC005529, AC004067, AC008116, AC005328, AC004551, AC002300, U52112, Z94056, AC007664, AC004041, AC007376, AP000050, AC005874, AF134471, AC005089, AC005585, U91325, AC005632, AL049758, AC008018, AC004997, AL031431, Z68164, Z98304, AC003667, AP000193, AC004996, AC005778, AC007919, AC005856, AC004922, AC004804, AC006430, AC016025, AF129756, AC002132, AC004020, AC002551, AC009516, AC004491, AC005484, AL031848, AL049869, AC008072, AL023879, AL049781, AC003950, AF196969, AC007057, AC006512, AC008009, AC003663, Z98036, AC007021, AL034548, AC004678, AP000117, AC004084, AC006146, AC006960, AC005274, AC007684, AC005725, AC003108, AL133216, AC004560, AP000272, U91318, AC006449, AC004134, AC003690, AF024534, AL121757, AC007050, Z97939, AL021154, AF069291, U95740, AC008372, AC002369, AL050318, AC004151, AL031673, Z97630, AC004813, AL121748, U82828, AP000557, AL031295, AC004638, AL049795, AC007073, AC004019, AC004453, AL035659, AL050312, AC004699, AC008012, AL096773, AP000248, U91323, AC007546, AC004923, AD001527, AC004150, Z84484, AP000695, and AC005048.

HNGDF94	7935	796744	1 - 114	15 - 128	
HNGDF70	7936	506694	1 - 238	15 - 252	
HNGDF58	7937	506693	1 - 562	15 - 576	N79214, N79207, and Z95115.
HNGDF38	7938	574349	1 - 344	15 - 358	AI133044, and AC000080.
HNGDF10	7939	968240	1 - 336	15 - 350	
HNGDE79	7940	781680	1 - 430	15 - 444	RI5702.
HNGDE74	7941	765812	1 - 415	15 - 429	T81056, H72210, and AC003079.
HNGDD27	7942	860680	1 - 397	15 - 411	AA319803, AI340151, AA368329, C14121, AI889426, AA745356, AI281622, AA604149, AF196971, AC006071, AC005785, AC007382, AL078581, AC002310, AC005914, AC008078, AC007731, AC005500, AC004821, AC004815, AP000356, U85195, AC005031, AC002470, AC003664, AC004448, AE000658, AC005409, AC007707, U80017, U29953, AL031683, AC004097, AC004797, Z84480, AC004890, AC004477, AL031681, AC004770, AP000563, U91319, AC005015, AC005944, AC004638, Z83826, AL049843, AC004653, Z82188, AC006285, AC005399, AC005037, AC005696, AC005899, AC002550, AC004236, AL031584, AL133382, AL121652, U95739, AP000133, AP000211, AP000501, Z82214, Z86090, AL049712, AF129077, AC006088, AC007666, AC005480, AL050318, AC005776, AL049776, AL109628, AL049872, AC005736, AF001549, AF165926, AC004999, AL049759, L78833, AC004125, AC006241, AC004883, AC005057, AB023049, AL034420, Y10196, Z83840, AL031228, AC004491, AC005620, Z84487, AD000092, AL034419, AF207550, AF196779, AP000031, AP000210, AP000132, AC005746, AL050341, AL117258, AC006130, AC005578, and AC004991.
HNGDD03	7943	924933	1 - 188	15 - 202	AI523540, AI358513, AW404543, AL048969, AP000347, AP000346, AJ224162, AC004842, Z95114, AC003665, AC002322, AP000555, AP000354, AJ229041, AL022311, U67093, AR028159, AC007242, AL035249, AC005338, AF047825, AC005358, AL109963, AC008545, Z94056, AL031681, AC004921, AP000512, AF111169, U82828, AC006328, AD000833, AL033504, AC004124, AL008635, AL022721, AC018633, AB023051, AC002546, AB016897, AC007052, AC007785, AC004997, and Z74021.
HNGDD02	7944	920675	1 - 172	15 - 186	
HNGDB78	7945	772804	1 - 300	15 - 314	AP000555.
HNGDB61	7946	742043	1 - 460	15 - 474	AA137010.
HNGDB59	7947	688019	1 - 149	15 - 163	AL021398.
HNGDB54	7948	574359	1 - 178	15 - 192	
HNGDB40	7949	574346	1 - 96	15 - 110	
HNGDB16	7950	574352	1 - 121	15 - 135	
HNGDB04	7951	576460	1 - 149	15 - 163	AA326984, and T82481.
HNGDA08	7952	959964	1 - 441	15 - 455	AI088884.
HNGCZ54	7953	730895	1 - 437	15 - 451	I130669.

HNGCY60	7954	827144	1 - 559	15 - 573	W79559, AI916779, and AW304481.
HNGCY10	7955	968247	1 - 320	15 - 334	AA259067.
HNGCQ38	7956	544484	1 - 1014	15 - 1028	
HNGCPI4	7957	417271	1 - 587	15 - 601	T99876, AA146850, and AL122007.
HNGCO71	7958	663340	1 - 639	15 - 653	AW273218, AA378690, AL281818, AL791913, AL917132, AA904275, AL252506, AA601294, NS4152, AL493583, F35689, AA045734, AL301700, AA934680, AA070614, AL654525, AL754653, AW304536, AI792133, AA516226, AL933714, AA494097, AL821714, W45205, F30586, AF207550, AP000501, AL022238, AL080243, AC004973, AC004983, AC006077, AL022721, Z97054, AF111168, AC006511, AJ011930, AL008726, AC002126, AC000159, AC009516, AF002223, AP000704, AL034548, AC004491, AP000113, AP000045, AC016025, AL031311, AC005899, AL050318, AC004671, AC005037, AC008115, U91323, AC007676, AP000251, AC005088, AC004821, AC006023, AC005808, AP000159, AP000017, Z98200, AC004999, AC005632, AC006441, L44140, AP000030, U95742, AF196779, AC006430, AL122020, AC006512, AC007216, AP000553, AF196972, AL031666, AC005823, AC007685, AF053356, AL139054, AC005971, AL031680, AC007066, AC004890, AC006080, AP000502, AC004913, AL049761, AC004685, AL121653, AC007390, AC006285, D87675, AC007226, AC006449, AL022318, AC007899, AL133312, AF111169, AL049869, AC019014, AC006088, AC005409, AC004686, AC009247, L78810, AL133448, AC005736, AC004019, AC004673, AC005837, AC005755, AC002395, AP000252, AC002470, U29953, AJ003147, AL133163, AP000248, AL034553, AC004526, AC005081, AC002369, AL049759, AC005624, AC004033, AL034429, AL008582, AC002301, AF117829, AP000557, AP000555, AC005280, AC008033, U47924, AL031736, AF165926, AC004996, AC009044, AP000692, AC020663, AC016026, AL035587, AL022323, AC007308, AC004478, Z83840, AC006965, AC005089, AC002115, AF196969, AC006254, Z83844, AC005488, AC005682, AC004884, AF003626, AL034555, AL035422, AC004893, AC003046, M89651, Z97056, AC002565, AC006165, AC006101, AC005057, AP000008, Z98884, AC002425, AP000031, AC004895, AF030453, AL133246, AL031447, AP000359, AL035458, AC007731, AC012384, AC002544, AL117258, AC006126, AC005500, Z85986, AC006241, U80017, AC005841, AL121655, AB023051, Z84469, AC005696, AC006480, Z83826, AC005231, AC005291, and AL096701.
HNGCO15	7959	494338	1 - 375	15 - 389	AC004706.
HNGCG39	7960	704547	1 - 532	15 - 546	H26664, and H126870.
HNGCE81	7961	961700	1 - 1702	15 - 1716	AL284640, AL046409, AI963720, AI431303, AI754955, AA581903, AI281881, AW303196, AW274349, AI334443, AL042853, AW301350, AL046205, AI801482, AL138265, AL041690, AL042420, AI270117, AL119691, AW193265, AA720702, AI890348, AL754336, AL037683, AA469451, AI708009, AL138455, AW327868, AA521399, AI345654, AA521323, AW021583, AA491814, AI110770, AA680243, AI457397, AI613280, AW265385, AA490183, AA126450, AW069227, AI149478, AA468131, AA877817, AW439558, AW268300, AI732120, AA394271,

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HNGCE40	7962	860699	1 - 731	15 - 745	AW302048, AL039187, AA230155, AI188049, AI821382, AA730635, AA558404, T07225, AI279417, AL567391, D58782, AA664604, AL536625, H48768, AA878140, AA381762, AA780933, AI445914, AW167154, AI096738, F32710, AA516047, R92640, AL120343, F31619, AA846923, AA448838, AA604843, AI079423, AW117740, AA613627, AI821044, AI754291, AA297789, AI244127, AA630854, AL046746, AI915081, AW021917, AW327852, AA657835, AC004552, AC002551, AL109952, AL109985, AE000658, AL139054, AL049780, AL049759, U91326, AI251973, AC005808, AC002563, AC006530, AC005962, AC007564, Z95152, AC004526, AL031311, AL049540, AC005409, Z83845, AF130343, AC005690, U95742, Z95115, AC007216, AC004757, AC005209, AL049777, AL031666, AF064858, AC005701, AC004805, AC005747, AC002302, AC005304, AL133445, AL022163, AC007225, AC002039, U85195, AC003108, AC005184, AL049712, U91325, AJ003147, AC002990, AL022323, AC008012, AC006441, Y10196, AL031657, AC000353, AF001549, AC005913, AC002119, AC005971, AC006958, AL035658, AC004999, AC006360, AC006515, U95743, AL034402, AC010077, Z99127, AC005902, AC005082, AC003101, AP000557, AC006312, AC002365, AC003971, AC005274, AC007285, Z93929, AC002301, U80460, AC003982, AL121657, AC005911, AC006445, AC004913, AL031286, AC003665, AL031433, AC005339, AC002544, AC010205, AC004099, Z84469, AL109627, AC012384, AC005288, AC007191, AC005291, Z98050, AL049776, AL080243, AL023803, AC007066, AC005257, AC002091, AC020663, AL022067, AL031431, AL121754, AC004941, AL031283, AL050318, Z93020, AL033392, AL133238, AF111168, AC005670, AC007773, AC008115, AC002430, AC005330, AL022329, AC005919, AC004216, AL050317, AC007358, AC007536, AC008085, AL109984, AC002350, AL035588, AF001548, AL096712, AC007384, AL096701, AC004813, AC007731, AC004887, AC002457, AL021546, AC005500, AC016830, AL133355, AP000104, AC005011, AC006120, AC005666, AC005531, AP000509, AF165926, Z84480, AC006487, Z83844, AL031276, AC005859, AC005884, AC005527, AL078638, AC005726, AL035450, AC004491, AC004185, AL035685, AF031078, AC004148, AL079340, AC002465, AC002480, Z84466, AL033522, AC005057, AC002377, AC002477, AC004605, AL133247, AC004859, AC003688, AL035684, AF134726, AL022322, AC006947, AL135744, AC007537, AC007011, AC006138, AL049539, AC008149,

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HNGCC02	7963	638114	1 - 554	15 - 568	AW028400, AI963720, F36273, AL138265, AI368745, AI284640, AI679782, AL041690, AL046409, AA581903, AI708009, AA610491, AL042753, AI085719, AW162049, AI929531, AL138455, AI951889, AI956131, AI421841, AA469451, AI431303, AI963095, AI860020, AI357551, AI281881, AI962050, AW193265, AI110770, AI143242, AI340453, AI951928, AI718446, AL119691, AW303196, AI061334, AA507547, AW13815, AI814735, AA594215, AW302013, AL048925, AW103758, AI345654, AI754658, AA513141, AW301350, AW438643, AI305766, AW406659, AI358343, AL120269, AI350211, AI889781, AW088202, AW029038, AI053672, AA491814, AW247819, AI801600, AI613280, AA515224, AW407578, AI688846, AI590958, AI270117, AW274349, AI669453, AW406755, AW193432, AI344844, AI610159, AI287485, AI471481, AI590689, AW276827, AI912322, AI341664, AI375710, AI567076, AI358229, AI570261, AI289067, AA491284, AW261871, AW169537, AI696962, AA482711, AA652764, AI801591, AW089927, AW102955, AI801482, AI754336, AI291124, AI339850, AA127353, AI281903, AI679132, AI732186, AL040130, AI821271, AL038785, AA584082, AI192631, AI928790, AI049722, AI358501, AI037683, AW419262, AI345681, AA908687, AI345675, AW238278, AI291268, AL042853, AI628288, AW327868, AI567674, AI635274, AA598586, AI619997, AI865905, AA917683, AI859742, AA164251, AI709365, AI367975, AW338086, AI473943, AA521323, AA601270, AI537955, AW265393, AI339440, AI287528, AI890348, AA714453, F29989, AI475569, AI799642, AA977743, AW104748, AA579063, W95841, AI610607, AW162288, AW276932, AI358571, AI469172, AI376100, AI921649, AA490183, AW166815, AW085740, AA521399, AI564496, AW148792, AI697208, AW193609, AW304584, AI871225, AI696793, AW088616, AA133986, AI564185, AL079645, AI366729, AI676218, AW265009, AI824562, AI623720, AI499181, AW080134, AA846935, AI937850, AI674873, AA074130, AI365988, AA649642, AA178953, AA665330, AA192740, AW088058, AI917271, AA502155, AW272758, AW057877, AL042420, AW062724, AA350859, AA179944, AW340844, AI307201, AI282832, AI439210, AI053606, AI151261, AI921188, AA847499, NS3150, AI521679, AI445582, AI633025, AI744995, AI017024, AA594145, AL119984, AA747276, AR036572, U91328, AC004859, AI049569, AC006004, AL021546, AP000966, U91323, AC006125, AC000052, AC008124, AC003071, AC004019, Z98941, AF129756, AC005291, AF001549, AC004884, AC004020, AC003101, AC005846, AC005768, AL031848,

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HNGBW07	7964	953894	1 - 425	15 - 439	AA779260, and AC004895.
HNGBS77	7965	494334	1 - 524	15 - 538	
HNGBP42	7966	574401	1 - 401	15 - 415	
HNGBO01	7967	921413	1 - 132	15 - 146	AI039463, and Z99716.
HNGBN12	7968	920949	1 - 386	15 - 400	AI147419, AI343975, AI400827, AW379863, AA310626, AW379864, AA325281, AI792990, R83498, AA349776, R87384, R84539, AA053628, AL045700, AL078621, AL137714, and Z96199.
HNGBL40	7969	880778	1 - 343	15 - 357	AA782358.

HNGBF25	7970	678767	1 - 584	15 - 598	AA054162, and AF130342.
HNGAZ70	7971	757413	1 - 345	15 - 359	R34132, and AL048966.
HNGAZ756	7972	733631	1 - 467	15 - 481	AI885390, N64652, AI694923, AA447143, W56786, W56564, AP001053, and AP001052.
HNGAZ08	7973	959977	1 - 422	15 - 436	A1221476, and AA823395.
HNGAX93	7974	792525	1 - 403	15 - 417	W87440, and AC006511.
HNGAW50	7975	723632	1 - 530	15 - 544	R97185, H47494, AI806978, AI052640, AI218923, and Z94721.
HNGAV20	7976	669901	1 - 420	15 - 434	H94026, H63237, H94115, H63315, and AI524673.
HNGAR02	7977	920736	1 - 552	15 - 566	AA954152, AA584702, AA585098, T18597, AA585325, Z32822, R45895, R29657, D53161, D61185, AA585101, Z32887, D57491, D59751, C15406, R28735, R29445, AI557740, C15069, AI541365, AI525316, AI557262, R28892, AI557864, AI541356, R28965, Z28355, AA585155, Z33559, AI526078, AI526140, AI525500, AA170832, AA585378, D54897, AA585439, D60765, D60844, D59436, R29218, AI557718, AI557727, AI541517, AI546999, AI557731, AI535639, AA585329, D51433, R28967, R28895, D54850, AI541205, AI541535, AI546971, AI526184, AI525556, C16294, C16315, AA283326, AI541383, D55233, AI546875, AI547250, AI526016, AI540903, AI557763, AI547039, D61254, D59458, D53447, AI557734, AI541523, AI557084, AA585476, C16292, C15120, C15762, D52835, AI557809, D53472, AI557807, AI557787, AI541346, C16300, AI541013, C16293, Z36724, AI525306, AA585356, C16305, C15737, AI541374, AI541034, AI525339, AI546831, AI547202, AI557533, AI557408, D60730, AI557758, AI546945, AI525431, C16296, AI526117, AI526191, AI557155, AI547196, AI526194, AI535660, AI557602, AA585430, AI526112, R29179, AI526024, Z30131, AI525320, D57186, AI546921, AI540974, AI541307, AI526109, AI546996, AI541321, AI557852, AI540967, AI546891, AI547006, AI525856, AI557279, AI526158, AI557808, AI546829, AI546901, AI557317, AI536138, C14208, AI525168, AI526146, AI541422, R29262, AA585453, AI526195, AI541402, R29172, AI541492, AI526113, AI541515, C16290, AI557264, R29177, AI557799, AI541527, AI557039, AI525114, AI557810, AA585389, AI556967, AI541516, AI541423, AI526176, T19407, AI547189, AI525656, AI557041, AI526073, AI524904, AI541027, AI547137, C14210, AI525076, AI557786, T41289, AA514191, AI541510, AI526205, AI546954, AI526180, D61060, AA585434, AI540944, AI525332, AI525286, AI526169, AI526187, AI541506, AI541415, AI557238, T41329, AA585420, AI524891, AA585117, AA585440, C14322, AI239433, AI540920, AI546828, AI557796, AI524890, AI557785, AI541345, C14391, AI557285, AI546855, AA174170, AI547158, C14723, AI557082, AI547026, AI540882, AI541075, AI526026, AI540928, AI046024, AI541514, D51413, AI547122, AI546841, AI557802, AI541017, AI547138, AI541390, AI526125, AR062871, A25909, AR038855, X82786, Y09813, X76012, AR031358, AR031365, AJ244005, Y16359, AF082186, AR038762, Z32836, AR054723, X81969, D50010, X55486, D13509, AJ244004, A20702, AR062872, AR062873, A20700, A43189, A43188, AJ244006, AJ243486, AR017826, D78345, AR017907, AC005913, AJ244003, AR003381, Z30183, AF213384, A62298, AR050070, A82595, A82593, AF006072, A98420, A98423, A98436, A98417, A98427, X82834, and

HNGAQ75	7978	766512	1 - 167	15 - 181	L36913. N83807, AA584125, AA339692, AA377189, AA829154, AA828739, AI590593, AC005484, AC004106, AL031281, AL033392, AL034554, AD000813, Z95114, U95739, AC007050, AF205588, AC003103, AC007786, AC005375, AP000556, AC009405, AC006236, AL021707, AL049636, AC005529, AF019413, AP000502, AC000120, AB026898, AC004152, Z98946, AC004966, AF001548, AP000092, U91321, AC003664, AC005353, AC002365, AC007371, AP000237, and AF107258.
HNGAQ73	7979	574649	1 - 277	15 - 291	Z95126.
HNGAQ49	7980	574652	1 - 159	15 - 173	
HNGAQ38	7981	574658	1 - 113	15 - 127	
HNGAQ37	7982	575492	1 - 136	15 - 150	AI418661, AA452325, T07327, F31867, AA632556, AA748826, AA626595, AA904211, AA298362, W63553, AA211734, AA581247, AW023111, AI370170, AA069255, AA489327, AI758424, AA496724, AA084609, H73550, W96277, AI973173, H90878, AA489330, AW130350, AA719847, AI567391, AA020873, F05830, AA984857, H90114, T62543, AA837771, AA481887, AW419389, AA668587, R99144, F23294, AA683069, AA443587, AI742168, AA568314, AI446478, T83057, AA579188, R93858, AA021429, AI431513, AA018588, AA021428, AA736488, AI300818, AI310992, N73021, AL037533, H84975, AA441810, AI889579, AA018777, AA019939, AA479877, AA019872, AA610789, F16671, AI821273, AA714073, H07953, AI160786, AA722505, AI583291, AW151935, AA523695, AW408596, AA113273, AA229422, AI198718, AA612578, AA086435, AA936718, AA808036, AA091982, F31811, R67701, AA613399, AI368732, AA452887, AA577783, AA642809, AI733717, AA302661, AA668905, AA076575, AA226357, AA315361, AA111870, AA320105, AA226356, AI271762, AI858889, AI680547, AA243976, AA640310, AA324288, AA157837, AA425924, H58354, R64640, N27615, AA502193, H90845, AA630923, AW162303, AA583386, AW029269, AW162047, T65895, AW161786, AW019964, AA579281, AI135363, AA608570, AA205436, AA847502, Z84469, AL121915, AC002477, AC003010, AC006480, AC005971, AC005947, AC006275, AC004257, AL109952, AC004736, AC005208, AL035078, AP000501, Z85996, AP000692, AC004076, AL035691, AC003109, AC007546, AL050332, AC004890, AC005225, AC005243, AF001552, Y11107, AP000362, AC005366, AC005009, AC004814, AL118516, AL024474, AL035530, AC004408, AF196969, AL030995, AL035071, AL023283, AC005378, AL035687, AC004590, AC000029, AC002432, AC004859, AL009181, AC005039, AP000553, AC005014, AC007057, AL049872, AL022323, AC005899, AC005013, AC007363, AC008009, AC005736, AC006017, AC005828, M13792, AF053356, I34294, AC005837, AC005921, AL035086, AL023878, AB020864, Z93241, AC004878, AC007055, AP000345, AC003007, AC007199, AC004796, AC006050, AC006390, AC005031, AL031846, AF001549, AC005527, AC004050, AL121603, AL031283, AC004381, AC005207, AL020995, AC004999, U80017, AB020690, AF073485, AC005190, AF141309, AP000319, U51280, AC004789, AC004780,

					AC002985, AC000075, AF037338, AC005790, AC000084, AC005222, AL078611, AC002491, AL049576, Z83847, AC005355, AL022333, Z98885, U82668, AL117351, AL109798, AL023096, AL022322, AP000687, AP000167, AP000052, AP000120, AP000142, AC005049, AL021155, AC002119, AC004685, AL049795, AC004823, AL031680, AL031291, AP000090, AC006088, AC004518, AL033521, AC002418, AC004525, AC002303, AC004686, AC004967, AF139813, AF001548, Z83843, AC007388, AL031427, AC007676, U52111, AC005184, AL133553, AC007227, AC007014, AL121769, U91323, AL035405, AC005082, AL022721, AP000688, AC004386, AC006305, AC006582, AC007537, AC005041, AL135744, AL049869, AC004228, AC002365, AC008038, AC007240, AC003101, AL031733, AF111168, AC001228, AB026898, D87675, AL132992, AC005332, AL008725, AL031297, Z92547, AP001053, AC005220, AC002310, AC005529, AC006511, AC005625, AL133245, AC007446, AC005015, AL133163, AF111169, AC007421, AL121923, AP000689, AB003151, AL080243, AL049631, AL031447, AC005578, AL031276, AC004874, AC006013, AC006196, AC005228, AC003029, AC002301, AL109853, Z95115, AL022396, AL132777, AC004813, AC005914, AC004694, AP000358, AP000359, AC003071, AC006961, AP000121, AP000053, AP000168, U95739, AC004905, AC004526, Z82174, AL133448, AB020866, AC009247, Z93017, AL021939, Z63709, Z83820, AC000052, AL049829, AL049569, AC004019, AC004024, X84664, AL008715, AL035659, AL022314, AF191687, Z82203, D86960, AL109865, U63630, AP000310, AC006154, AL096702, and AP000272.
HNGAQ14	7983	574660	1 - 130	15 - 144	AC005815.
HNGAQ02	7984	920756	1 - 206	15 - 220	
HNGAQ01	7985	921434	1 - 148	15 - 162	N23637, AA630173, AA486530, AA680247, AA161476, AA160658, AA166686, AA668670, T58393, U13369, and X68195.
HNGAP69	7986	513808	1 - 653	15 - 667	AC005562.
HNGAM31	7987	426200	1 - 487	15 - 501	AA661948, AA665330, AL151261, AA501784, AL138265, AW023672, AL287964, AL282832, AW103415, AW271904, AL343137, AL245679, F17518, AL107788, H62778, AA491814, AL049996, AL028540, H88666, AL537955, AL304929, AL061296, AW080134, AA482896, AA603323, AA340747, AA077776, AL358343, AW088202, AL432103, AW276435, AW021583, AL679045, H84359, AW104748, AW079809, AA076408, AA342562, F17700, R92640, AW029038, F29989, T40848, AL446464, R19647, AA318652, AA569190, AL625244, AA747276, AA557686, AL177061, AA708352, AA747480, AA364224, AA878149, AA502050, AL570261, AA569182, AL1754661, AL345681, AL345675, AA448375, AA448231, AA452563, AL962050, AA469451, AA843450, AA747472, AL510838, AL929531, F28765, AL339850, F32893, AL358229, AA229785, AA515051, AA481363, AL049649, AL271762, AA452744, AW301350, AW303196, AW274349, AA482681, F29198, AA228420, AL045077, AA601680, AA679493, AL791390, AL216054, AA730635, AL623720, AW406755, AL251002, AA169194, AA405453, AA482711, AA357307, AW167154, AA449088, AA367986, AA488746, AW151896, AA583244, AL061313.

				AA320852, AA503258, AA362650, AL049722, AL432814, AA635067, AL270476, AW337454, AL754291, AA564925, AL445498, AC005971, AF055066, AC005225, AC004193, AJ003147, AL121658, AL096791, AC007055, AC007371, AL121603, AC006001, AF053356, AC005081, AP000112, AL121852, U80017, AC005412, AL109758, AC005324, AC005932, AL049743, AL135744, U92032, AL031286, AC006014, AL022311, AF045555, U91321, AC005399, AP000513, AC005031, AC004099, AL008582, AC009247, AL132777, AC005527, AC002288, AC007899, AC006960, AC006254, AC005516, AL008635, AC005821, AC003102, AP000044, AL139054, AC002400, AC006006, AC004821, AC006023, AL021918, AC005585, AC004955, AL117258, AC005529, AC004134, AC000025, AC005057, AF064866, AC005678, AC002545, AC004150, AC005808, AL049775, AC004841, AC005414, AC006441, AC004033, AC007227, Z98745, AL109627, AC003101, AL136501, AC004534, Z99128, AL132712, AB020867, AC005037, AL109628, AC004963, AD000092, AL080317, AL022476, AC008169, AL117354, AP000030, AC007878, AL035494, AP000884, AL132992, AC006088, AC011594, U07000, U95740, D87675, AP000208, AC005736, AJ246003, AC003109, AL049539, AC007011, Z84466, AC005255, AL049776, AC009516, AL109654, AP000247, AL110502, AL009181, AF123462, AC004125, AC005666, AC007226, AC007666, AC005488, AP000212, Z97832, AL049745, AC000052, AC006333, AP000355, AC008044, AF064861, AC005484, AC005694, AC005221, U95742, AC004895, AC004263, AL050318, AC004491, Z81008, AP000688, AL049872, AC005914, AL121655, AC004974, AP000959, Z92542, AL096701, U63721, AP000505, AC006559, AC004687, AL080243, AC005231, AL035699, AC004492, AC004526, AL034420, AC004050, AP000694, AC006344, AC006285, Z95114, AL035658, AC007546, AC005753, AC004887, AL031577, AF196779, AL078474, AC003665, AC002544, AC008101, AC002126, AL121595, AC005520, Z95126, AP000215, AC005332, Z68870, L78833, Z99716, AL021391, AC004447, AC016831, AC004796, AL035405, AC007308, AL049869, AC016830, AL021393, AP000045, AC002301, AC009479, AC004814, AC006597, AC005899, AL049830, AC002306, AC004832, AF001549, AC002351, AC007216, AL031587, AL080276, AC002067, AL109984, AC005901, AC005237, AC008018, AC009248, AL049795, AC000120, AC005996, AC005291, AC005006, AL023553, AC005500, AP000512, AC016025, AL031591, AL008639, AC007066, AL035587, Z85987, AC005682, AP000552, AF111168, AC006132, AC007298, AC002565, AC003029, AC005409, AP000134, AL078593, AL031848, Z98048, AP000047, AC006141, Z84487, AL034417, AC005104, AP000553, AL049780, AL035249, AC005209, AP000130, Z93783, AC012627, AC005837, AL031680, Z94721, AC006449, AP000692, AP000477, AC005924, and AR036572.
HNGAJ78	7988	773425	1 - 900	15 - 914
HNGAD20	7989	890591	1 - 349	15 - 363
HNFJ167	7990	751605	1 - 486	15 - 500
HNFJB08	7991	959428	1 - 664	15 - 678
				AC004465.
				T89724.
				H78418, AL208043, H68012, T87102, N77399, AA744206, AA713765, H93975, H58585,

					AI223968, AA569597, AA601186, AI263494, AC008116, AF190884, AP000564, AF030453, AL031311, AC005088, AF068624, AL035106, AP000151, AC004197, AL023913, AC003007, AB003151, AC011718, AC008132, AC008079, Z93241, AP000010, AC005632, AC002407, AC004491, AP000454, AC007546, AC005003, AC005846, AC005530, AB023048, AC009247, AP000298, AC002115, AC004263, Z95703, Z83821, AL020991, AC006101, AF039907, AC006987, M59199, Z84487, AL135960, AJ131016, AC004985, AL109952, AC004223, Y10196, AC005018, AC002426, U78027, AC000387, AL031577, D84394, AC005366, AC007358, AP000044, AC004929, AC004883, AC007156, AP000472, AC005291, AP000347, AC007748, AC004216, AC007565, AP000511, AC005225, AC003037, AC005913, Z97053, AC007350, AC004622, AC007766, AL035415, AP000350, U91326, AC005562, Z99943, AP000116, AC006285, Z84477, U73643, AL049569, Z99716, AC005399, AL035587, AC006948, AC009516, AC004914, AC009263, AC006572, U47924, AC006509, AC016025, AC007388, AC000003, AF187320, AP000552, AC005568, and AC007057.
HNFIY76	7992	767681	1 - 341	15 - 355	W88982, AA741151, AI699945, AI915838, AI806991, AI911962, and AL022328.
HNFIW53	7993	467056	1 - 436	15 - 450	AA021619.
HNFIW14	7994	658129	1 - 253	15 - 267	AW363863, AI741868, AA181596, AW450052, and AF117754.
HNFI17	7995	429602	1 - 559	15 - 573	AC003006.
HINFIN07	7996	953330	1 - 512	15 - 526	H67460.
HNFI11	7997	966347	1 - 421	15 - 435	AI475658, AW300535, AA769413, AI970794, AI962597, AI262866, AI288806, AI264118, AI056197, AI221947, AI480037, AI818548, AI803669, AI092753, AI379065, AW450384, AI140316, AI242596, AI436296, AI199008, AI784541, AI819414, AA994821, AA242747, AA431259, AI814761, AA577250, AI275187, AA909652, AA417974, AA243870, AA862672, AA746639, AW340129, AA633304, AA878919, H23830, AA004808, AA830716, AI027827, AA947663, AA948421, AW025951, and AF132948.
HNFI A59	7998	739358	1 - 533	15 - 547	T89075.
HNFIHY59	7999	951005	1 - 1111	15 - 1125	W96277, AA846942, AA489978, H01110, AA426451, AL048901, AW151018, AA569179, AA579399, AW408767, AA020873, AL022323, AC005244, AC004832, AC002511, AC004876, AC007308, AL031577, AC003101, AC005057, AC016027, AC016830, AP000695, AL096702, AC005562, AC005355, Z85987, AP000099, AL031985, Z94056, AC004647, AL035423, AC006388, AF109907, AC002310, AC002425, AC006958, AL035684, U07562, AL109827, U62631, AF038458, AC005971, AL078634, AL133243, AC005736, AC007193, AC003108, AP000245, AP000036, AC004851, AL031295, AL031228, Z84484, AC005962, AP000033, AP000509, AP000112, AJ003147, AC002996, AC007191, AC004792, AC004381, L78810, AC005274, AP000689, AL031591, AC005378, AC005412, AC005783, AC004972, AC004963, AL031291, AC007041, AL133246, AC006511, AC005544, AC002477, AC006441, AL031255, AC005529, AP000008, AC005940, AP000501, AL096701, AC005899, AC005225, AL031774, U62293, U63721, AC004966, AC007917, AL021977, AC006360, Z93016, AC020663, Z98304,

HNFX58	8000	735299	1 - 660	15 - 674	AC005778, AC005920, AC009178, AF134726, AC005039, AL031846, AL031283, AC008372, AP000260, AC006040, AL031230, AC007790, AP000167, AP000052, AP000120, AF088219, AC005525, AC006430, and AC004675.
HNFXV96	8001	716913	1 - 923	15 - 937	N73263.
HNFXU61	8002	741901	1 - 349	15 - 363	AA256102, R24951, R14228, AA256037, N80330, A1740979, AA781179, AA991559, AA757102, A1262320, AA770189, AA398687, AA621291, AA885058, A1381911, AA831699, A1026903, A1698917, AW338905, A1479899, AL040709, and AC005263.
HNFXR56	8003	733297	1 - 433	15 - 447	AC006275.
HNFXA09	8004	961165	1 - 450	15 - 464	AA206774.
HNFXS84	8005	783199	1 - 379	15 - 393	H83638, R09824, R85639, R84674, and H83639.
HNFXG165	8006	574598	1 - 81	15 - 95	
HNFXG142	8007	526844	1 - 105	15 - 119	
HNFXG17	8008	574597	1 - 170	15 - 184	
HNFXGH36	8009	574601	1 - 185	15 - 199	
HNFXGH32	8010	574605	1 - 227	15 - 241	
HNFXGG80	8011	574602	1 - 59	15 - 73	
HNFXGG18	8012	574608	1 - 261	15 - 275	
HNFXGG06	8013	936086	1 - 282	15 - 296	N98823.
HNFXGF88	8014	522077	1 - 314	15 - 328	AL284583, AL008629, Z31001, AB023051, AC005225, AL133245, AL034549, AC005911, AC004895, AC006480, AC006023, AL020993, AP000512, and AP000345.
					AA730916, AL048002, AA605266, AA748140, A1246884, AA229034, AA229080, AA187277, A1285453, AA181070, AA991792, AW410715, A1471827, AA670456, AA155784, AA226142, AA452998, AW409893, N23919, T71765, AA659832, AL035086, AC005207, AC005482, AL049712, AF001549, AL035555, AC004815, AC005157, AC002470, AC016027, AC016830, AP000510, AL033533, AL049843, AP000555, AP000031, AC007382, AL118510, AC006359, AC006312, AC004491, AR036572, U91328, AL109963, AL049749, AF165926, AC007308, AC004821, AL049869, D16561, AC004019, AF111168, AC005295, AC012384, AP001053, AC005078, AL008721, AC004905, AC000353, AL022069, Y10196, AL035400, AC007376, AC007637, AF024533, AC002477, AC004587, AC006450, AL133448, AC005225, AC004560, AC006111, AC005531, AC002425, AC009294, AC006449, AC005049, AL009181, AP000692, AC004583, Z82194, AC007242, AC004685, AC004878, AC004148, AC005071, AC002544, AC005484, AP000952, AC002480, AC002394, AC002040, L44140, AC005914, AL139054, AF196972, AC006480, AP000691, AC010169, Z82206, AC005030, AL020995, AC005940, AC007226, AL031584, AL109628, AC007842, AL022165, Z84480, AL035209, Z97989, AL031311, AC005158, AC004938, AL035683, AL096801, AC006505, Z95115, AL021808, AC004383, Z93023, AC005520, AL031277, and AL022238.

HNFGF66	8015	860896	1 - 358	15 - 372	AW292971, AA993724, and AL049557.
HNFGF52	8016	522293	1 - 346	15 - 360	
HNFGF37	8017	574609	1 - 210	15 - 224	AI537253, AF009040, AF009039, AB020717, AP000276, AP000037, AP000105, AJ006855, U45479, D85682, and AP000275.
HNFGF80	8018	571306	1 - 231	15 - 245	
HNFGF41	8019	504165	1 - 140	15 - 154	AW402309, AA351072, and AB007945.
HNFGF81	8020	778250	1 - 531	15 - 545	T94000, T93980, AI820713, AI732292, AA912299, AB014088, AC004190, and AP000516.
HNFGA92	8021	790617	1 - 413	15 - 427	W21191, AA032052, and AA436218.
HNFGA85	8022	521880	1 - 408	15 - 422	AA130623, T73021, T60029, AA226532, AI354847, AI520748, AA209436, AI567391, AI025355, AI018726, AI929298, AI929825, AW157180, AI679294, AW132065, H63515, H62137, H69577, H53255, AA653291, AA626840, AI859618, W32993, H94979, F23235, F33184, R66121, AA418696, AI671077, AA584098, AA418757, AI679871, N76251, AA468974, AA230025, AA468371, AA228368, AA224889, AA468505, AA228269, AA228442, AA224816, AA757621, AA467943, AA314404, AA425924, AA614254, R94909, AA487720, AW275763, AW084431, T05617, AL047480, AA126975, AI469125, AA211464, AW023975, AI683426, AA573214, Z82215, AC005231, AC002288, AC005203, AF146367, AC000379, AF124523, AC006599, AC002312, AF118808, AP000009, AP001052, Z97196, Z95115, AF195658, AC005527, AC006530, AC000025, AC006111, AC005529, AL035423, AL050318, AC006561, AL049697, AC004841, AC002126, AC005325, AL049780, AF091512, AL009175, AC005015, AC006536, Z93023, Z77249, AC007216, AC005225, AC003689, AC004887, AC004966, AC004663, U91318, Z83838, AC004913, AI003147, AP000503, AC005520, AP000505, AC005971, AC004036, AC004812, AC007688, AC009247, AC000052, AC005081, AF001548, AC005180, AC007387, AF050154, AJ006996, AL022318, AC005545, AF031076, AC008282, AC007566, Z84484, AF134726, AL031680, AC007666, AC007934, AC002985, AC016831, AL035587, AC005684, AC007308, AC005193, AC004678, Z98044, AL031311, AC005011, AC006511, AC002045, AF045555, AC005255, AL132716, AC005839, AC005736, AL096766, AP000553, AP000210, AP000132, AP000501, AC009516, AC002039, AL139054, Z97630, Z93244, AC005482, AP000048, AL031589, AL050332, AC005914, AC005028, AC016025, AC004539, Z99128, U07561, AC005578, AC005288, AF053356, U80017, AP000141, AC005899, AP000065, AL034420, AC003982, AC002551, Z82173, AC002369, AL021878, AL031774, AF031078, AL049843, AC005372, AC005284, AP000309, AL049869, AB023052, Z82190, AL031846, AC006571, AF030876, AL022330, AC005562, AL021937, Y14768, AC007386, AC005046, AC002470, AL132987, AC004139, AC003957, AC001036, AC006512, AL008582, AC004674, AC004262, AC005089, AL049793, AL049760, AL132712, AC004084, AF196779, Z94044, AC007551, AC004447, U91323, AL022476, AC005037, Z82178, AL021366, AC006084, AC004895, U95090, AC004983, AC006487, AL022721, AL031005, AC000035, AC005821, AC006130, AC007226, AC006468, AC004152, AC004263, AL031282, AC004686, AC002994,

						U47924, AC007993, AL035458, AP000555, AL078581, AL035658, AL031123, AL078638, AC005531, AC005291, U62317, AC005412, AL096791, AL133448, AD000092, AC000085, AC005391, U73737, AC020663, AC006538, AC007225, AC004682, AP000462, AP000689, AL022313, AC005332, AC005952, AL121658, Z95152, AL034423, AC000039, AL080243, Z49155, AC005793, AC002350, AC010582, Z83843, AP000031, AL121653, AC004032, and AP001054.
HNFQA57	8023	571305	1 - 208	15 - 222		
HNFU64	8024	578096	1 - 278	15 - 292		H81542.
HNFRR38	8025	455273	1 - 732	15 - 746		
HNFQ29	8026	860905	1 - 392	15 - 406		AA954660.
HNFQ20	8027	836239	1 - 484	15 - 498		H30642, and AL049552.
HNFRL57	8028	786899	1 - 410	15 - 424		R71423, AA649995, AA548429, H00226, AA442374, AW363180, A1806931, W35309, R77144, W92109, AA628013, N39838, and H27628.
				15 - 159		N56475.
HNFFF05	8029	932432	1 - 145	15 - 234		A1884861, AA679353, AL047493, AA363027, R48980, A1537800, AA452843, AA910783, A1377396, AA541532, AA857812, AA376896, T08386, A1580979, AL037777, H38769, T90477, A1362442, AA253451, A1419337, AA290802, A1361090, A1570805, AA831408, H24953, AA295893, AA058312, A1280574, A1421950, AA295899, A1049630, AA599080, AA769141, AW026305, A1348467, AW161459, AA219349, T60940, AW161879, A1803767, A1191343, AW268329, A1003797, AA936548, AA746939, AA304790, AA669957, AW327555, AA528574, AW265688, A120004, A1538363, AA528503, AA809125, A1289050, A1364568, A1284092, AA809089, AA313075, T56025, H65697, AA772704, F11421, T17332, A1334775, AA283081, T98915, AW363085, AA581317, AA650447, AA236867, A1689198, A1274697, A1469392, A1860021, AL038842, AL135383, AA890060, AW168510, AL008635, Z82097, AC007684, Z73417, AL035072, AC004859, AF196969, Z82182, AF003626, AC005004, AC002563, AP001059, AL109983, AF139813, AC004712, AL021155, AL023581, AC004770, AC004228, Z82248, AL031590, AC007450, D86995, AC005280, AF024534, AC008150, AC005519, AL021453, AC002454, AL109623, AL031666, AJ006216, AP000264, AP000035, AP000100, AL050318, AC006080, AF029308, AC004616, AC004655, AC006976, Z82250, AL133245, AL132712, AC005520, AL109847, AC007011, AL021917, AC005779, AC002404, AC005690, AC002350, V00596, AC004185, M17262, U15177, AC004656, AL035588, AC006050, AC005873, AC007193, AC005300, AC004922, AL049745, AP000962, AC002982, AC004088, AF024533, AC005086, AC011456, AC012085, AC007686, AF111169, AF035968, AC000082, AC003029, AC004673, AC005071, AC007160, AL023876, AC002094, AC007860, AC006946, AC007880, AC005335, AC006505, AL021977, AC006347, AC004854, AL031659, AF124730, AL008631, AC002073, AL022318, AB014079, AC006139, AC004927, AL117342, AP000514, AL117354, AC004132, AL079342, AC006115, AL133500, AC006512, AC007934, AL022334, AC005316,
HNFEC75	8030	767453	1 - 220			

					Z95329, AL034402, AP000513, AC007277, AL031000, AC003682, AC005666, AL022165, Z85996, AC000378, AC005219, AC007917, Z98304, AL035249, AL031283, AC005041, AC000392, AC003002, Z98743, Z98043, Z95115, AC004841, Z85986, AC004966, AC005578, AC006948, AC005512, AC007030, AC004491, AL096791, AC004771, AP000128, AP000206, AL031672, AC004408, Z82194, AP000245, AP000553, AC007938, AC009516, AC002365, AC007308, AL021393, AC005081, AC004554, M19508, AL021391, AC005317, AL121748, AC005624, AC004785, AC005480, AL031595, AC005846, AC004891, AC006576, AL034417, AC004552, AP000352, AL133312, AL121652, AL034549, AC006372, S65785, AC002527, X55448, AC004797, AB012168, AC004534, AF134726, AC004149, Z95125, AC005593, AL035659, AC006146, AC006011, AL078638, AL049843, AC005828, D49685, M55987, X95887, AC003965, Z98882, Z73964, AF184110, Z98051, Z93096, AL117351, AP000502, AF019413, AL031735, AC003957, AL020997, AL021940, AC002432, Z84469, AC006059, AC005906, AL049839, AC004851, Z69706, AC002401, AC005355, AL022721, AC005884, AP000509, AC005053, AB014077, Z81010, AC004209, AC004611, AC005182, and AC007868.
HNFEY24	8031	677114	1 - 363	15 - 377	U82757, AL049692, AL049745, AC005764, and Z92542.
HNFE06	8032	936099	1 - 404	15 - 418	H67644, AL079695, R15238, T26386, and R12358.
HNFEQ28	8033	685514	1 - 383	15 - 397	AA039447, A1765745, W27268, AL137465, and AF159447.
HNFE184	8034	783211	1 - 479	15 - 493	H74104.
HNFCV02	8035	861004	1 - 878	15 - 892	
HNFCO90	8036	529966	1 - 156	15 - 170	AL022098.
HNFCO85	8037	529967	1 - 267	15 - 281	
HNFCO52	8038	518637	1 - 334	15 - 348	Z85987, and Z94161.
HNFCO41	8039	529970	1 - 296	15 - 310	Z55913.
HNFCO37	8040	507312	1 - 841	15 - 855	AA203114, AA001350, H70366, R00660, H83070, and R95157.
HNFCO32	8041	529971	1 - 321	15 - 335	
HNFCO22	8042	529973	1 - 146	15 - 160	
HNFC125	8043	556464	1 - 380	15 - 394	N65923, and AF109907.
HNFBY08	8044	960222	1 - 347	15 - 361	R94859, H65499, and AC005920.
HNFB145	8045	574972	1 - 521	15 - 535	AL031728.
HNFBQ02	8046	921029	1 - 412	15 - 426	AA019957.
HNFAF78	8047	601639	1 - 590	15 - 604	AC007225.
HNEDU66	8048	861030	1 - 391	15 - 405	AA971408.
HNEDR54	8049	730953	1 - 392	15 - 406	AA235166.
HNEDP86	8050	785736	1 - 426	15 - 440	AA251806, AW008517, and AL035530.
HNEDO77	8051	955894	1 - 498	15 - 512	AA513389, AL619737, W21995, AW304348, AA307643, AA247984, AW025299, A1738561, A1659244, A1161148, A1887436, AA192151, and D50922.

HNEDJ03	8052	967115	1 - 448	15 - 462	AI923367, AI583218, AI373875, H99041, AA614659, AA701656, AA455317, AI624093, AL120931, AI051123, N27564, AW131426, AA745905, H97544, N33217, AW193312, AA036731, AI811692, AI435894, AI784586, AA788753, AI348194, N47754, AI890992, AA479068, AA601557, AI287545, AA894619, AI682609, AW058621, AW081918, AW168028, AI346563, AW168929, AI433476, AI923848, AI566456, AI186661, N22090, AA678000, AI245176, AI245198, AI272966, AI963008, AI298694, AI187073, AA150090, D62527, AI435647, AI770052, AI680189, AA812522, AI890986, AI185100, AA403052, F11075, AI350680, AI866206, AI432046, AA514269, R20526, H46858, AI566594, R27302, R69930, AI143203, AW169284, AI080704, H18624, AI280761, AI697429, F36516, AI382360, AI472034, D61736, AI573004, AI888697, AI932870, AI355692, AA805532, H04179, AI355703, AA687849, R67586, N91144, N93493, AA757226, AI342620, R66707, AI298478, AW104101, AA150159, AI375753, AA968981, AI589126, AA381382, AA381400, AI401617, AI359209, N66889, R32649, R33334, AA381630, AW378387, AA381701, AA381636, AA904561, AA381643, H18598, AA381945, AA381644, R52479, N89744, R75976, AI263846, N56395, AA381602, AA381460, AA654417, AW152083, AA381275, AA167390, AA476343, AW051256, W81443, AA804381, C02214, AW057830, AI805033, AI075972, AI242237, AA347509, AW378359, AA284149, F31071, AA889282, AI679723, AI679152, AW378412, AA765452, AI216644, AA427526, H27061, R33333, AA909840, AI802150, R69882, R07700, R76807, AI915452, AA381605, AW002830, AI570298, N34507, N75875, AI280767, H18597, AA632567, AA844237, W04813, and AC004520.
HNEDH59	8053	739533	1 - 515	15 - 529	R19732, R55864, H09860, R61075, R19557, and AB032971.
HNEDF15	8054	946986	1 - 1267	15 - 1281	AA573510.
HNEDD15	8055	812918	1 - 437	15 - 451	AI635028, R81017, AA084609, AI923451, AI923458, AW168420, AI267269, AW088012, AI733856, AA427636, AA464739, AI953290, R44593, AA653139, AW238594, AI284640, AA704393, AI611569, AI611598, AA213959, R62710, AW188742, AA904211, AI249683, AI870453, AW270345, AI587467, AW265688, AL138329, Z83822, AC004242, AC005011, AC007066, AC005099, Z98044, AC004811, AC005412, AL049539, AC005280, AC007751, AC006441, AP000009, AL031228, AL022323, AP000510, AF129756, AP000030, AP000212, AP000134, AL139054, Z95114, Z97184, AL031311, AP000252, AL050341, AC005209, AF196969, AC006241, AL035086, AC005778, AC005529, AL109963, AB023048, AC005548, AC005694, Z83844, AC007421, AF205588, AC007371, AC006323, AL031666, AC005839, AC002544, AC005527, AP000065, AC004673, AP000556, Z98946, AC006509, AL121658, AP000552, AL035659, AC005632, AC004883, Y14768, AL035460, D87675, AC005231, AC004921, AC002375, AC005736, AP000331, AC005500, AC004805, AC007731, AL031284, AF196779, AP000172, AP000057, AL049795, AC005562, AC004815, AC006480, AP000125, AP000512, U85195, AL031846, AC007055, AP001136, AC004626, AL035405, AC004999, AL049761, AB023051, AC002476, AC006057, AC006511, AC006111, AC003029, AC000353,

HNECS71	8056	761415	1 - 351	15 - 365	<p>AL121652, U82668, AC005291, U95742, AC006160, Z99716, AC002365, AL096791, AE000658, AC005479, AC006449, AC006141, AC005544, AC005914, Z84476, AC005606, AC004912, AL049776, AC004966, AB001523, AC005746, M30688, AC005488, AC005907, AC004659, AC000085, AC003982, AL009183, AC009516, AC002303, AL022336, AP000501, AC005245, AC004167, AL049830, AL023575, AL121825, AJ246003, AC004706, AC005225, Z83826, AC012384, AC003070, AF111169, AL078638, AC002073, Z83851, AC004702, AL049869, Z93017, AC002468, AL049766, AL023283, AL109827, AC006312, AC007688, AL034451, AL035249, X54486, AC005041, AC006965, AB003151, AC008039, AC007437, AC006475, AC004526, AL13163, AL022320, AC005823, AC002425, AC004777, AC002429, AC003098, AC004841, AC005701, AC007228, AC005619, AC006285, AC004491, AC005519, AC005332, AL049631, AC005399, AC004876, AL022721, AC004929, AC005971, AL121603, Z93928, AL033527, AL031575, AC005086, AL035420, AP000696, I40904, Z68128, AL009179, AC004967, AC003667, M63796, AC003030, U78027, AL031584, AL135783, AL022238, AC007707, Z98745, AL121653, AP000300, AC005486, AL049636, AC004033, AC004686, AC002115, AF165926, AC005740, U91326, AC005015, AL049653, AC007279, Z82178, AL109798, AC004517, U80017, Z97054, and AC005884.</p> <p>T63576, W15491, AL149804, AL131519, AA843953, AW161793, AI092028, AA552204, AW136111, AL141347, AL185926, AA772103, AA035012, AL264527, AA620892, AA975679, AI292163, N22339, AA568942, AI698028, AW006799, N33511, N45217, AI338778, AI348018, AI184473, AI186835, AW162638, AI346238, N20265, AA121312, N32971, N22986, AI268696, AI687031, AA613050, W47402, AA738236, AI831927, AI581714, AI191389, AI207353, AI076913, AI031528, AA890278, H06229, AI354662, AI023013, AI146940, AI814446, AI523222, AA115499, AA609073, AI360917, AI285388, AA608567, AI246045, AA868240, AA508381, AA522726, N20264, AI932474, R76084, AA443103, AA460311, AI146531, F02954, AA149816, AI032190, AI368495, AA523767, R79965, AA159633, H96348, AA976176, AA782201, AW190870, AI208039, T90250, AI695863, AA715129, W52013, AA372891, AA079783, AA079671, AA804874, N91526, AA641601, AA662579, AA513828, AA115027, AA058638, Z21398, R76133, Z21400, and S82464.</p> <p>T92707.</p> <p>X82015, L32185, E12100, D38171, D50403, D50402, L38592, Z34916, AF005380, U70255, U55068, L13732, A45655, AF005379, U39614, U12862, U27105, A45644, L38593, A45643, and S79364.</p> <p>W88808, and AC004782.</p>
HNECP28	8057	469521	1 - 535	15 - 549	
HNECN28	8058	558790	1 - 239	15 - 253	
HNECI41	8059	712607	1 - 487	15 - 501	
HNECD74	8060	470015	1 - 538	15 - 552	
HNEBY64	8061	514762	1 - 754	15 - 768	<p>AA468319, AW078909, AA602906, AA622801, AA468466, AI917891, AA610491, AL047427, AW302909, AI744830, AI262909, AC002045, AC006468, AL031680, AP000350, AP000113, AC007546, AL035683, AL109798, Z97053, Z94721, AP000512, AL096761, AC004253,</p>